Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o4.tm	Method	TBLASTX:Maize
Start	5476	End	5917
GI	none	Score	359
Exons	5476..5712, 5477..5917		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o3.ts	Method	TBLASTX:Soybean
Start	5477	End	5755
GI	none	Score	195
Exons	5477..5755		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o1.ts	Method	TBLASTX:Soybean
Start	5828	End	6223
GI	none	Score	57
Exons	5828..5860, 5828..5860, 5864..5917, 5866..5907, 5972..6223, 5980..6117		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o6.tw	Method	TBLASTX:Wheat
Start	5936	End	6238
GI	none	Score	55
Exons	5936..6205, 5937..6008, 5975..6238, 5980..6225		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o5.tm	Method	TBLASTX:Maize
Start	5972	End	6304
GI	none	Score	284
Exons	5972..6304		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o2.tw	Method	TBLASTX:Wheat
Start	6239	End	6664
GI	none	Score	569
Exons	6239..6664, 6241..6657, 6356..6664		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o4.ts	Method	TBLASTX:Soybean
Start	6245	End	6493
GI	none	Score	192
Exons	6245..6493		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20

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Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o2.tm	Method	TBLASTX:Maize
Start	6310	End	6664
GI	none	Score	436
Exons	6310..6495, 6317..6664, 6362..6649, 6514..6657		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o4.tw	Method	TBLASTX:Wheat
Start	6692	End	10458
GI	none	Score	73
Exons	6692..6793, 6786..6905, 6794..6901, 10119..10454, 10120..10458, 10126..10458		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o2.gp	Method	AAT/GAP
Start	9863	End	10120
GI	61605_3.R1084	Score	406
Exons	9863..10120		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o2.ts	Method	TBLASTX:Soybean
Start	10249	End	10506
GI	none	Score	279
Exons	10249..10506, 10251..10505		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o3.tm	Method	TBLASTX:Maize
Start	10305	End	10596
GI	none	Score	154
Exons	10305..10577, 10305..10586, 10306..10596		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o1.tw	Method	TBLASTX:Wheat
Start	10465	End	11091
GI	none	Score	660
Exons	10465..11091, 10467..10964, 11031..11090		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o1.tm	Method	TBLASTX:Maize
Start	10644	End	11229
GI	none	Score	220
Exons	10644..10799, 10645..10806, 10804..11229, 10806..10964,		

10924..11199, 11031..11228

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o5.tw	Method	TBLASTX:Wheat
Start	11091	End	11424
GI	none	Score	360
Exons	11091..11372, 11092..11424, 11257..11373		

Seq. No.	38289	Seq. ID	OJ990409_09.0204.C20
Gene No.	78770	Strand	-
Start	9863	End	11476
Name	OJ990409_09.0204.C20.o7.tm	Method	TBLASTX:Maize
Start	11233	End	11476
GI	none	Score	191
Exons	11233..11445, 11265..11354, 11447..11476, 11447..11476		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78771	Strand	+
Start	9508	End	9834
Name	OJ990409_09.0204.C21.o3.gs	Method	GENSCAN
Start	9508	End	9834
GI	none	Score	.71
Exons	9508..9834		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78772	Strand	+
Start	19895	End	24412
Name	OJ990409_09.0204.C21.o2.gp	Method	AAT/GAP
Start	19853	End	19937
GI	none	Score	119
Exons	19853..19937		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78772	Strand	+
Start	19895	End	24412
Name	OJ990409_09.0204:C21.o5.gs	Method	GENSCAN
Start	19895	End	24412
GI	none	Score	.4
Exons	19895..19937, 20298..20449, 22551..22611, 24321..24412		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78773	Strand	-
Start	2406	End	9010
Name	OJ990409_09.0204.C21.o2.gs	Method	GENSCAN
Start	2406	End	9010
GI	none	Score	.69
Exons	2406..2998, 3086..4624, 4672..5117, 5184..5618, 5734..5770, 5854..6442, 6524..6940, 8744..8857, 8948..9010		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78773	Strand	-
Start	2406	End	9010
Name	OJ990409_09.0204.C21.o1.np	Method	AAT/NAP
Start	2427	End	8537
GI	4544372	Score	1036

Exons	2427..3937, 4050..4399, 4460..5661, 8504..8537		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78774	Strand	-
Start	12177	End	17619
Name	OJ990409_09.0204.C21.o4.gs	Method	GENSCAN
Start	12177	End	17598
GI	none	Score	.63
Exons	12177..12848, 12912..13073, 13702..13836, 15574..15701, 15818..16094, 16103..16940, 17267..17598		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78774	Strand	-
Start	12177	End	17619
Name	OJ990409_09.0204.C21.o4.np	Method	AAT/NAP
Start	12587	End	17619
GI	6957728	Score	739
Exons	12587..12624, 15734..16800, 16849..16940, 17267..17619		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o3.ts	Method	TBLASTX:Soybean
Start	2416	End	2666
GI	none	Score	52
Exons	2416..2457, 2427..2666, 2494..2664, 2499..2666		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o4.tw	Method	TBLASTX:Wheat
Start	2442	End	2849
GI	none	Score	70
Exons	2442..2849, 2476..2619		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o6.ts	Method	TBLASTX:Soybean
Start	3111	End	3389
GI	none	Score	66
Exons	3111..3389, 3133..3324		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o5.tm	Method	TBLASTX:Maize
Start	3138	End	3470
GI	none	Score	199
Exons	3138..3470		
Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619

Name	OJ990409_09.0204.C21.o5.tw	Method	TBLASTX:Wheat
Start	3723	End	4121
GI	none	Score	68
Exons	3723..3992, 4032..4121		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o2.ts	Method	TBLASTX:Soybean
Start	3756	End	4166
GI	none	Score	92
Exons	3756..4007, 3841..4008, 4015..4164, 4029..4166		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o1.tm	Method	TBLASTX:Maize
Start	4473	End	4933
GI	none	Score	80
Exons	4473..4595, 4474..4590, 4589..4933, 4656..4784, 4679..4933		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o4.ts	Method	TBLASTX:Soybean
Start	4628	End	4858
GI	none	Score	92
Exons	4628..4858, 4656..4781		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o1.tw	Method	TBLASTX:Wheat
Start	4802	End	5206
GI	none	Score	228
Exons	4802..5143, 4802..5155, 4845..5144, 5047..5148, 5150..5206, 5160..5201		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o3.tm	Method	TBLASTX:Maize
Start	4934	End	5152
GI	none	Score	216
Exons	4934..5152, 4935..5144		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o8.ts	Method	TBLASTX:Soybean
Start	5003	End	5368
GI	none	Score	65
Exons	5003..5137, 5150..5368, 5235..5357		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619

Name	OJ990409_09.0204.C21.o7.ts	Method	TBLASTX:Soybean
Start	5777	End	6115
GI	none	Score	193
Exons	5777..6115		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o5.ts	Method	TBLASTX:Soybean
Start	15698	End	15946
GI	none	Score	131
Exons	15698..15946, 15711..15944		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o4.tm	Method	TBLASTX:Maize
Start	17407	End	17598
GI	none	Score	131
Exons	17407..17589, 17408..17587, 17410..17598		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o2.tw	Method	TBLASTX:Wheat
Start	25154	End	25442
GI	none	Score	164
Exons	25154..25429, 25170..25442		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o5.np	Method	AAT/NAP
Start	25154	End	27619
GI	5915837	Score	491
Exons	25154..25743, 27542..27619		
GI Descrip.	CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517| (Y10493) putative cytochrome P450 [Glycine max]		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o2.tm	Method	TBLASTX:Maize
Start	25160	End	25743
GI	none	Score	218
Exons	25160..25633, 25185..25589, 25364..25591, 25690..25743		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o1.ts	Method	TBLASTX:Soybean
Start	25163	End	25753
GI	none	Score	275
Exons	25163..25693, 25173..25694, 25690..25743, 25694..25753, 25696..25743		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21

Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o1.tc	Method	TBLASTX:Cress
Start	25169	End	25693
GI	none	Score	157
Exons	25169..25693, 25181..25546		

Seq. No.	38290	Seq. ID	OJ990409_09.0204.C21
Gene No.	78775	Strand	-
Start	25154	End	27619
Name	OJ990409_09.0204.C21.o3.tw	Method	TBLASTX:Wheat
Start	25457	End	25743
GI	none	Score	180
Exons	25457..25693, 25458..25694, 25666..25743		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78776	Strand	+
Start	1	End	5113
Name	OJ990409_09.0204.C22.o1.np	Method	AAT/NAP
Start	1	End	5113
GI	6069646	Score	817
Exons	1..23, 3040..3870, 4159..5113		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78777	Strand	-
Start	108	End	2318
Name	OJ990409_09.0204.C22.o1.gs	Method	GENSCAN
Start	108	End	2318
GI	none	Score	.65
Exons	108..386, 413..553, 583..762, 767..801, 851..986, 1556..1583, 2158..2318		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o4.tm	Method	TBLASTX:Maize
Start	434	End	712
GI	none	Score	112
Exons	434..595, 449..580, 620..712, 625..711		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o3.tm	Method	TBLASTX:Maize
Start	2524	End	2878
GI	none	Score	272
Exons	2524..2727, 2525..2878		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o2.tm	Method	TBLASTX:Maize

Start	3058	End	3447
GI	none	Score	359
Exons	3058..3447, 3072..3446		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o1.tm	Method	TBLASTX:Maize
Start	3449	End	4085
GI	none	Score	470
Exons	3449..3559, 3450..4085, 3833..3976		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o1.tw	Method	TBLASTX:Wheat
Start	3731	End	4172
GI	none	Score	225
Exons	3731..4018, 3732..4022, 4095..4172		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o5.tm	Method	TBLASTX:Maize
Start	4148	End	4431
GI	none	Score	186
Exons	4148..4255, 4158..4328, 4339..4431		

Seq. No.	38291	Seq. ID	OJ990409_09.0204.C22
Gene No.	78778	Strand	-
Start	4705	End	9793
Name	OJ990409_09.0204.C22.o3.gs	Method	GENSCAN
Start	4705	End	9793
GI	none	Score	.43
Exons	4705..4888, 7086..7337, 7421..7887, 8025..9071, 9198..9605, 9651..9793		

Seq. No.	38292	Seq. ID	OJ990409_09.0204.C23
Gene No.	78779	Strand	+
Start	1129	End	3617
Name	OJ990409_09.0204.C23.o1.gs	Method	GENSCAN
Start	1129	End	3617
GI	none	Score	.88
Exons	1129..2364, 2520..3617		

Seq. No.	38292	Seq. ID	OJ990409_09.0204.C23
Gene No.	78779	Strand	+
Start	1129	End	3617
Name	OJ990409_09.0204.C23.o2.np	Method	AAT/NAP
Start	1129	End	3617
GI	6907089	Score	3716
Exons	1129..2391, 2486..3617		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38292	Seq. ID	OJ990409_09.0204.C23
Gene No.	78780	Strand	-
Start	1	End	3617

Name	OJ990409_09.0204.C23.o1.np	Method	AAT/NAP
Start	1	End	3617
GI	5042454	Score	158
Exons	1..183, 756..823, 2555..2769, 2903..2982, 3525..3617		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38292	Seq. ID	OJ990409_09.0204.C23
Gene No.	78780	Strand	-
Start	1	End	3617
Name	OJ990409_09.0204.C23.o1.gp	Method	AAT/GAP
Start	47	End	141
GI	uC-osflcyp172a09a1	Score	139
Exons	47..141		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78781	Strand	+
Start	1	End	919
Name	OJ990409_09.0204.C24.o1.np	Method	AAT/NAP
Start	1	End	916
GI	6539586	Score	1321
Exons	1..916		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78781	Strand	+
Start	1	End	919
Name	OJ990409_09.0204.C24.o1.gs	Method	GENSCAN
Start	96	End	919
GI	none	Score	.87
Exons	96..242, 375..919		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o4.tm	Method	TBLASTX:Maize
Start	1544	End	1690
GI	none	Score	126
Exons	1544..1690, 1551..1685		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o2.gs	Method	GENSCAN
Start	1547	End	3490
GI	none	Score	1
Exons	1547..3490		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o2.np	Method	AAT/NAP
Start	1550	End	3916
GI	6498441	Score	1609
Exons	1550..1831, 1925..3553, 3617..3916		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o4.tw	Method	TBLASTX:Wheat
Start	1559	End	2161
GI	none	Score	77
Exons	1559..1684, 1563..1685, 1715..1771, 1871..2161, 1878..2156		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o3.tw	Method	TBLASTX:Wheat
Start	2162	End	2543
GI	none	Score	158
Exons	2162..2542, 2193..2441, 2487..2543		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o3.tm	Method	TBLASTX:Maize
Start	2357	End	2620
GI	none	Score	175
Exons	2357..2620, 2367..2567		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o1.ts	Method	TBLASTX:Soybean
Start	2573	End	2896
GI	none	Score	76
Exons	2573..2896, 2736..2879		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o2.tw	Method	TBLASTX:Wheat
Start	2573	End	2975
GI	none	Score	292
Exons	2573..2974, 2574..2975		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o2.tm	Method	TBLASTX:Maize
Start	2648	End	3032
GI	none	Score	222
Exons	2648..3031, 2667..3032		

Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o1.tm	Method	TBLASTX:Maize
Start	3059	End	3415
GI	none	Score	125

Exons	3059..3364, 3059..3415, 3069..3380		
Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o1.tw	Method	TBLASTX:Wheat
Start	3083	End	3546
GI	none	Score	219
Exons	3083..3544, 3089..3544, 3090..3545, 3103..3546		
Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o2.ts	Method	TBLASTX:Soybean
Start	3140	End	3505
GI	none	Score	118
Exons	3140..3274, 3281..3505		
Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o3.gs	Method	GENSCAN
Start	3554	End	3841
GI	none	Score	.91
Exons	3554..3841		
Seq. No.	38293	Seq. ID	OJ990409_09.0204.C24
Gene No.	78782	Strand	-
Start	1547	End	3916
Name	OJ990409_09.0204.C24.o5.tw	Method	TBLASTX:Wheat
Start	3710	End	3916
GI	none	Score	114
Exons	3710..3916, 3741..3914		
Seq. No.	38294	Seq. ID	OJ990409_09.0204.C25
Gene No.	78783	Strand	-
Start	1	End	2169
Name	OJ990409_09.0204.C25.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	6721562	Score	1770
Exons	1..1159		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	38294	Seq. ID	OJ990409_09.0204.C25
Gene No.	78783	Strand	-
Start	1	End	2169
Name	OJ990409_09.0204.C25.o1.gs	Method	GENSCAN
Start	74	End	1956
GI	none	Score	.42
Exons	74..207, 361..1204, 1234..1440, 1696..1785, 1885..1956		
Seq. No.	38294	Seq. ID	OJ990409_09.0204.C25
Gene No.	78783	Strand	-

Start	1	End	2169
Name	OJ990409_09.0204.C25.o1.tw	Method	TBLASTX:Wheat
Start	113	End	665
GI	none	Score	92
Exons	113..370, 147..386, 353..451,	354..446, 458..505, 630..665	

Seq. No.	38294	Seq. ID	OJ990409_09.0204.C25
Gene No.	78783	Strand	-
Start	1	End	2169
Name	OJ990409_09.0204.C25.o1.tm	Method	TBLASTX:Maize
Start	215	End	500
GI	none	Score	92
Exons	215..463, 216..500		

Seq. No.	38294	Seq. ID	OJ990409_09.0204.C25
Gene No.	78783	Strand	-
Start	1	End	2169
Name	OJ990409_09.0204.C25.o2.np	Method	AAT/NAP
Start	1387	End	2169
GI	5042454	Score	246
Exons	1387..1440, 1696..1871, 2097..	2169	
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38295	Seq. ID	OJ990409_09.0204.C28
Gene No.	78784	Strand	+
Start	470	End	613
Name	OJ990409_09.0204.C28.o1.gs	Method	GENSCAN
Start	470	End	613
GI	none	Score	.46
Exons	470..613		

Seq. No.	38296	Seq. ID	OJ990409_09.0204.C31
Gene No.	78785	Strand	-
Start	739	End	1043
Name	OJ990409_09.0204.C31.o1.np	Method	AAT/NAP
Start	739	End	1043
GI	3193315	Score	92
Exons	739..1043		
GI Descrip.	(AF069299) contains similarity to transcriptional activator Ra [Arabidopsis thaliana]		

Seq. No.	38296	Seq. ID	OJ990409_09.0204.C31
Gene No.	78785	Strand	-
Start	739	End	1043
Name	OJ990409_09.0204.C31.o1.tm	Method	TBLASTX:Maize
Start	790	End	922
GI	none	Score	49
Exons	790..825, 792..845, 794..922,	795..914, 842..919	

Seq. No.	38297	Seq. ID	OJ990409_09.0204.C32
Gene No.	78786	Strand	-
Start	278	End	516
Name	OJ990409_09.0204.C32.o1.gs	Method	GENSCAN
Start	278	End	516
GI	none	Score	.74
Exons	278..395, 427..516		

Seq. No.	38298	Seq. ID	OJ990409_09.0204.C33
Gene No.	78787	Strand	+
Start	336	End	532
Name	OJ990409_09.0204.C33.o1.gs	Method	GENSCAN
Start	336	End	532
GI	none	Score	.81
Exons	336..532		

Seq. No.	38299	Seq. ID	OJ990409_09.0204.C35
Gene No.	78788	Strand	+
Start	2051	End	2682
Name	OJ990409_09.0204.C35.o1.gs	Method	GENSCAN
Start	2051	End	2682
GI	none	Score	.92
Exons	2051..2682		

Seq. No.	38300	Seq. ID	OJ990409_09.0204.C36
Gene No.	78789	Strand	+
Start	54	End	734
Name	OJ990409_09.0204.C36.o1.tm	Method	TBLASTX:Maize
Start	15	End	713
GI	none	Score	151
Exons	15..203, 320..397, 321..422, 426..524, 534..593, 645..713		

Seq. No.	38300	Seq. ID	OJ990409_09.0204.C36
Gene No.	78789	Strand	+
Start	54	End	734
Name	OJ990409_09.0204.C36.o1.gs	Method	GENSCAN
Start	54	End	734
GI	none	Score	.78
Exons	54..734		

Seq. No.	38300	Seq. ID	OJ990409_09.0204.C36
Gene No.	78789	Strand	+
Start	54	End	734
Name	OJ990409_09.0204.C36.o1.ts	Method	TBLASTX:Soybean
Start	321	End	674
GI	none	Score	106
Exons	321..422, 329..391, 429..512, 645..674, 653..673	431..496, 564..599, 569..598,	

Seq. No.	38301	Seq. ID	OJ990409_09.0204.C37
Gene No.	78790	Strand	-
Start	896	End	986
Name	OJ990409_09.0204.C37.o1.gs	Method	GENSCAN
Start	896	End	986
GI	none	Score	.49
Exons	896..986		

Seq. No.	38302	Seq. ID	OJ990409_09.0204.C39
Gene No.	78791	Strand	+
Start	92	End	133
Name	OJ990409_09.0204.C39.o1.gs	Method	GENSCAN
Start	92	End	133
GI	none	Score	.44
Exons	92..133		

Seq. No.	38303	Seq. ID	OJ990409_09.0204.C40
Gene No.	78792	Strand	+
Start	1144	End	1274
Name	OJ990409_09.0204.C40.o1.gs	Method	GENSCAN
Start	1144	End	1274
GI	none	Score	.8
Exons	1144..1274		

Seq. No.	38304	Seq. ID	OJ990409_09.0204.C42
Gene No.	78793	Strand	+
Start	32	End	602
Name	OJ990409_09.0204.C42.o1.gs	Method	GENSCAN
Start	32	End	602
GI	none	Score	.88
Exons	32..59, 505..602		

Seq. No.	38304	Seq. ID	OJ990409_09.0204.C42
Gene No.	78794	Strand	-
Start	1126	End	1407
Name	OJ990409_09.0204.C42.o2.gs	Method	GENSCAN
Start	1126	End	1407
GI	none	Score	.45
Exons	1126..1193, 1279..1407		

Seq. No.	38305	Seq. ID	OJ990409_09.0204.C43
Gene No.	78795	Strand	-
Start	1	End	550
Name	OJ990409_09.0204.C43.o1.np	Method	AAT/NAP
Start	1	End	550
GI	3834308	Score	192
Exons	1..550		
GI Descrip.	(AC005679) Strong similarity to glycoprotein EP1 gb|L16983 Daucus carota and a member of S locus glycoprotein family PF|00954. EST gb|AA720110 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38305	Seq. ID	OJ990409_09.0204.C43
Gene No.	78795	Strand	-
Start	1	End	550
Name	OJ990409_09.0204.C43.o1.gs	Method	GENSCAN
Start	34	End	485
GI	none	Score	.47
Exons	34..485		

Seq. No.	38305	Seq. ID	OJ990409_09.0204.C43
Gene No.	78795	Strand	-
Start	1	End	550
Name	OJ990409_09.0204.C43.o1.tc	Method	TBLASTX:Cress
Start	186	End	453
GI	none	Score	100
Exons	186..452, 214..453		

Seq. No.	38305	Seq. ID	OJ990409_09.0204.C43
Gene No.	78795	Strand	-
Start	1	End	550
Name	OJ990409_09.0204.C43.o1.ts	Method	TBLASTX:Soybean
Start	207	End	453

GI	none	Score	76
Exons	207..452, 217..453		
Seq. No.	38306	Seq. ID	OJ990409_09.0204.C44
Gene No.	78796	Strand	+
Start	190	End	342
Name	OJ990409_09.0204.C44.o1.gs	Method	GENSCAN
Start	190	End	342
GI	none	Score	.9
Exons	190..342		
Seq. No.	38307	Seq. ID	OJ990409_09.0204.C45
Gene No.	78797	Strand	+
Start	1323	End	1677
Name	OJ990409_09.0204.C45.o1.gp	Method	AAT/GAP
Start	1323	End	1677
GI	5002900	Score	637
Exons	1323..1677		
Seq. No.	38308	Seq. ID	OJ990409_09.0204.C46
Gene No.	78798	Strand	-
Start	169	End	965
Name	OJ990409_09.0204.C46.o1.gs	Method	GENSCAN
Start	169	End	965
GI	none	Score	.62
Exons	169..219, 894..965		
Seq. No.	38309	Seq. ID	OJ990409_09.0204.C47
Gene No.	78799	Strand	-
Start	552	End	1437
Name	OJ990409_09.0204.C47.o1.gs	Method	GENSCAN
Start	552	End	1437
GI	none	Score	.61
Exons	552..654, 1322..1437		
Seq. No.	38310	Seq. ID	OJ990409_09.0204.C48
Gene No.	78800	Strand	-
Start	388	End	509
Name	OJ990409_09.0204.C48.o1.gs	Method	GENSCAN
Start	388	End	509
GI	none	Score	.73
Exons	388..444, 450..509		
Seq. No.	38311	Seq. ID	OJ990409_09.0204.C49
Gene No.	78801	Strand	-
Start	1048	End	1361
Name	OJ990409_09.0204.C49.o1.gp	Method	AAT/GAP
Start	1048	End	1361
GI	2428977	Score	521
Exons	1048..1361		
Seq. No.	38312	Seq. ID	OJ990409_09.0204.C50
Gene No.	78802	Strand	-
Start	31	End	224
Name	OJ990409_09.0204.C50.o1.tm	Method	TBLASTX:Maize
Start	30	End	224
GI	none	Score	269

Exons	30..224, 30..221		
Seq. No.	38312	Seq. ID	OJ990409_09.0204.C50
Gene No.	78802	Strand	-
Start	31	End	224
Name	OJ990409_09.0204.C50.o1.gs	Method	GENSCAN
Start	31	End	221
GI	none	Score	.86
Exons	31..221		
Seq. No.	38312	Seq. ID	OJ990409_09.0204.C50
Gene No.	78802	Strand	-
Start	31	End	224
Name	OJ990409_09.0204.C50.o1.ts	Method	TBLASTX:Soybean
Start	34	End	222
GI	none	Score	117
Exons	34..222, 36..221		
Seq. No.	38312	Seq. ID	OJ990409_09.0204.C50
Gene No.	78802	Strand	-
Start	31	End	224
Name	OJ990409_09.0204.C50.o1.gp	Method	AAT/GAP
Start	107	End	221
GI	uC-osf1M202090f06b1	Score	208
Exons	107..221		
GI Descrip.	'1781332/emb|CAA71493| 3.0e-20 (Y10467) peroxidase [Spinacia oleracea]'		
Seq. No.	38313	Seq. ID	OJ990409_09.0204.C54
Gene No.	78803	Strand	-
Start	8	End	617
Name	OJ990409_09.0204.C54.o1.gs	Method	GENSCAN
Start	8	End	617
GI	none	Score	.58
Exons	8..167, 515..617		
Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.np	Method	AAT/NAP
Start	1	End	356
GI	4539390	Score	414
Exons	1..356		
GI Descrip.	(AL035526) shaggy-like protein kinase etha (EC 2.7.1.-) [Arabidopsis thaliana]		
Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.tc	Method	TBLASTX:Cress
Start	71	End	355
GI	none	Score	235
Exons	71..352, 88..354, 92..355		
Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356

Name	OJ990409_09.0204.C56.o1.tm	Method	TBLASTX:Maize
Start	71	End	355
GI	none	Score	270
Exons	71..352, 88..354, 98..355		

Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.ts	Method	TBLASTX:Soybean
Start	88	End	355
GI	none	Score	206
Exons	88..354, 98..355		

Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.tw	Method	TBLASTX:Wheat
Start	88	End	354
GI	none	Score	328
Exons	88..354, 91..354		

Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.gp	Method	AAT/GAP
Start	91	End	174
GI	20561_1.R1084	Score	158
Exons	91..174		
GI Descrip.	'1480078/emb|CAA68027| 6.0e-63 (X99696) shaggy-like protein kinase iota [Arabidopsis thaliana] >gi_2444277_gb_AAB71545.1_ (AF019927) GSK3/shaggy-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o1.gs	Method	GENSCAN
Start	91	End	270
GI	none	Score	.98
Exons	91..270		

Seq. No.	38314	Seq. ID	OJ990409_09.0204.C56
Gene No.	78804	Strand	-
Start	1	End	356
Name	OJ990409_09.0204.C56.o2.gp	Method	AAT/GAP
Start	174	End	356
GI	uC-osflcyp099f01b1	Score	333
Exons	174..356		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38315	Seq. ID	OJ990409_09.0204.C59
Gene No.	78805	Strand	-
Start	1433	End	2256
Name	OJ990409_09.0204.C59.o1.gs	Method	GENSCAN
Start	1433	End	2256
GI	none	Score	.88

Exons	1433..1532, 2201..2256		
Seq. No.	38316	Seq. ID	OJ990409_09.0204.C62
Gene No.	78806	Strand	-
Start	7	End	31
Name	OJ990409_09.0204.C62.o1.gs	Method	GENSCAN
Start	7	End	31
GI	none	Score	.57
Exons	7..31		
Seq. No.	38317	Seq. ID	OJ990409_09.0204.C64
Gene No.	78807	Strand	-
Start	1464	End	1592
Name	OJ990409_09.0204.C64.o1.gs	Method	GENSCAN
Start	1464	End	1592
GI	none	Score	.4
Exons	1464..1592		
Seq. No.	38318	Seq. ID	OJ990409_09.0204.C65
Gene No.	78808	Strand	-
Start	1	End	2543
Name	OJ990409_09.0204.C65.o1.np	Method	AAT/NAP
Start	1	End	2543
GI	6453893	Score	63
Exons	1..24, 1428..1575, 1671..1793, 2520..2543		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38318	Seq. ID	OJ990409_09.0204.C65
Gene No.	78808	Strand	-
Start	1	End	2543
Name	OJ990409_09.0204.C65.o1.tm	Method	TBLASTX:Maize
Start	1361	End	1578
GI	none	Score	194
Exons	1361..1576, 1363..1578		
Seq. No.	38319	Seq. ID	OJ990409_09.0204.C66
Gene No.	78809	Strand	-
Start	329	End	5491
Name	OJ990409_09.0204.C66.o1.tm	Method	TBLASTX:Maize
Start	322	End	484
GI	none	Score	131
Exons	322..420, 327..443, 332..484		
Seq. No.	38319	Seq. ID	OJ990409_09.0204.C66
Gene No.	78809	Strand	-
Start	329	End	5491
Name	OJ990409_09.0204.C66.o1.gp	Method	AAT/GAP
Start	327	End	694
GI	428542	Score	582
Exons	327..694		
Seq. No.	38319	Seq. ID	OJ990409_09.0204.C66
Gene No.	78809	Strand	-
Start	329	End	5491
Name	OJ990409_09.0204.C66.o1.gs	Method	GENSCAN
Start	329	End	5491
GI	none	Score	.51

Exons	329..754, 3152..3292, 5228..5491		
Seq. No.	38320	Seq. ID	OJ990409_09.0204.C68
Gene No.	78810	Strand	+
Start	185	End	1354
Name	OJ990409_09.0204.C68.o1.gs	Method	GENSCAN
Start	185	End	1354
GI	none	Score	.46
Exons	185..299, 1143..1354		
Seq. No.	38321	Seq. ID	OJ990409_09.0204.C69
Gene No.	78811	Strand	+
Start	2965	End	3288
Name	OJ990409_09.0204.C69.o2.gs	Method	GENSCAN
Start	2965	End	3288
GI	none	Score	.79
Exons	2965..3288		
Seq. No.	38321	Seq. ID	OJ990409_09.0204.C69
Gene No.	78812	Strand	-
Start	1829	End	2155
Name	OJ990409_09.0204.C69.o1.gs	Method	GENSCAN
Start	1829	End	2155
GI	none	Score	.92
Exons	1829..2155		
Seq. No.	38321	Seq. ID	OJ990409_09.0204.C69
Gene No.	78813	Strand	-
Start	3426	End	3737
Name	OJ990409_09.0204.C69.o3.gs	Method	GENSCAN
Start	3426	End	3737
GI	none	Score	1
Exons	3426..3593, 3630..3737		
Seq. No.	38321	Seq. ID	OJ990409_09.0204.C69
Gene No.	78814	Strand	-
Start	5189	End	5537
Name	OJ990409_09.0204.C69.o4.gs	Method	GENSCAN
Start	5189	End	5537
GI	none	Score	.52
Exons	5189..5311, 5333..5537		
Seq. No.	38322	Seq. ID	OJ990409_09.0204.C71
Gene No.	78815	Strand	-
Start	244	End	619
Name	OJ990409_09.0204.C71.o1.gs	Method	GENSCAN
Start	244	End	619
GI	none	Score	.55
Exons	244..369, 563..619		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78816	Strand	+
Start	1	End	2674
Name	OJ990409_09.0204.C73.o2.np	Method	AAT/NAP
Start	1	End	2674
GI	1346358	Score	76
Exons	1..83, 1261..1526, 2650..2674		

GI Descrip.	PROBABLE SERINE/THREONINE-PROTEIN KINASE C4G8.05 gi|2130432|pir||S62482 hypothetical protein SPAC4G8.05 - fission yeast (Schizosaccharomyces pombe) gi|1022350|emb|CAA91206.1| (Z56276) serine/threonine protein kinase [Schizosaccharomyces pombe]		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78816	Strand	+
Start	1	End	2674
Name	OJ990409_09.0204.C73.o1.gs	Method	GENSCAN
Start	547	End	1416
GI	none	Score	.49
Exons	547..709, 1154..1416		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78817	Strand	+
Start	6266	End	8452
Name	OJ990409_09.0204.C73.o4.gs	Method	GENSCAN
Start	6266	End	8452
GI	none	Score	.77
Exons	6266..6341, 6778..6904, 7680..7743, 8243..8452		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78818	Strand	+
Start	9416	End	9826
Name	OJ990409_09.0204.C73.o1.gp	Method	AAT/GAP
Start	9279	End	9738
GI	none	Score	838
Exons	9279..9738		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78818	Strand	+
Start	9416	End	9826
Name	OJ990409_09.0204.C73.o5.gs	Method	GENSCAN
Start	9416	End	9826
GI	none	Score	.9
Exons	9416..9826		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78819	Strand	-
Start	88	End	2403
Name	OJ990409_09.0204.C73.o1.np	Method	AAT/NAP
Start	88	End	2403
GI	1935918	Score	77
Exons	88..286, 2356..2403		
GI Descrip.	(U93559) putative serine/threonine protein kinase [Brassica rapa]		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78820	Strand	-
Start	2970	End	3742
Name	OJ990409_09.0204.C73.o2.gs	Method	GENSCAN
Start	2970	End	3742
GI	none	Score	.55
Exons	2970..3140, 3497..3742		
Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73

Gene No.	78821	Strand	-
Start	4723	End	5430
Name	OJ990409_09.0204.C73.o3.gs	Method	GENSCAN
Start	4723	End	5430
GI	none	Score	.88
Exons	4723..4897, 5324..5430		

Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78822	Strand	-
Start	9729	End	10284
Name	OJ990409_09.0204.C73.o1.tm	Method	TBLASTX:Maize
Start	9606	End	9827
GI	none	Score	140
Exons	9606..9689, 9607..9714, 9608..9688, 9702..9782, 9775..9819, 9776..9823, 9777..9827		

Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78822	Strand	-
Start	9729	End	10284
Name	OJ990409_09.0204.C73.o2.gp	Method	AAT/GAP
Start	9729	End	10205
GI	none	Score	922
Exons	9729..10205		

Seq. No.	38323	Seq. ID	OJ990409_09.0204.C73
Gene No.	78822	Strand	-
Start	9729	End	10284
Name	OJ990409_09.0204.C73.o6.gs	Method	GENSCAN
Start	10015	End	10284
GI	none	Score	.94
Exons	10015..10284		

Seq. No.	38324	Seq. ID	OJ990409_09.0204.C74
Gene No.	78823	Strand	+
Start	1	End	401
Name	OJ990409_09.0204.C74.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	none	Score	560
Exons	1..313		

Seq. No.	38324	Seq. ID	OJ990409_09.0204.C74
Gene No.	78823	Strand	+
Start	1	End	401
Name	OJ990409_09.0204.C74.o1.gs	Method	GENSCAN
Start	21	End	401
GI	none	Score	.78
Exons	21..401		

Seq. No.	38324	Seq. ID	OJ990409_09.0204.C74
Gene No.	78824	Strand	-
Start	304	End	479
Name	OJ990409_09.0204.C74.o1.tm	Method	TBLASTX:Maize
Start	2	End	267
GI	none	Score	140
Exons	2..118, 3..119, 156..266, 161..241, 171..257, 172..267		

Seq. No.	38324	Seq. ID	OJ990409_09.0204.C74

Gene No.	78824	Strand	-
Start	304	End	479
Name	OJ990409_09.0204.C74.o2.gp	Method	AAT/GAP
Start	304	End	479
GI	none	Score	298
Exons	304..479		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.gp	Method	AAT/GAP
Start	1	End	1344
GI	31784_1.R1084	Score	928
Exons	1..169, 266..367, 833..916, 1083..1178, 1256..1344		
GI Descrip.	'1877397/emb|CAA72330| 2.0e-75 (Y11591) shaggy-like kinase [Ricinus communis]'		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.tw	Method	TBLASTX:Wheat
Start	75	End	1276
GI	none	Score	91
Exons	75..170, 77..172, 254..367, 260..367, 264..440, 265..411, 830..925, 834..914, 838..933, 1080..1181, 1081..1179, 1083..1181, 1250..1276		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.gs	Method	GENSCAN
Start	77	End	1178
GI	none	Score	.84
Exons	77..169, 266..367, 833..916, 1083..1178		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.np	Method	AAT/NAP
Start	77	End	1404
GI	1877397	Score	525
Exons	77..169, 266..367, 833..916, 1083..1178, 1256..1324, 1370..1404		
GI Descrip.	(Y11591) shaggy-like kinase [Ricinus communis]		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.tm	Method	TBLASTX:Maize
Start	86	End	1309
GI	none	Score	52
Exons	86..172, 100..189, 101..160, 105..170, 260..367, 262..366, 266..367, 276..377, 830..925, 834..917, 1080..1181, 1084..1179, 1250..1309, 1254..1307		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404

Name	OJ990409_09.0204.C75.o1.tc	Method	TBLASTX:Cress
Start	95	End	1310
GI	none	Score	58
Exons	95..172, 96..158, 260..358, 260..367, 264..374, 273..377, 830..925, 831..917, 839..922, 1080..1181, 1083..1178, 1084..1179, 1250..1309, 1254..1310		

Seq. No.	38325	Seq. ID	OJ990409_09.0204.C75
Gene No.	78825	Strand	-
Start	1	End	1404
Name	OJ990409_09.0204.C75.o1.ts	Method	TBLASTX:Soybean
Start	272	End	1309
GI	none	Score	81
Exons	272..364, 818..925, 834..917, 1080..1181, 1084..1179, 1250..1309, 1254..1307		

Seq. No.	38326	Seq. ID	OJ990409_09.0204.C76
Gene No.	78826	Strand	-
Start	114	End	290
Name	OJ990409_09.0204.C76.o1.gp	Method	AAT/GAP
Start	114	End	290
GI	uC-osf1cyp099f01b1	Score	296
Exons	114..290		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38326	Seq. ID	OJ990409_09.0204.C76
Gene No.	78826	Strand	-
Start	114	End	290
Name	OJ990409_09.0204.C76.o1.gs	Method	GENSCAN
Start	133	End	204
GI	none	Score	.57
Exons	133..204		

Seq. No.	38326	Seq. ID	OJ990409_09.0204.C76
Gene No.	78827	Strand	-
Start	2606	End	2800
Name	OJ990409_09.0204.C76.o2.gs	Method	GENSCAN
Start	2606	End	2800
GI	none	Score	.51
Exons	2606..2800		

Seq. No.	38327	Seq. ID	OJ990409_09.0204.C78
Gene No.	78828	Strand	+
Start	268	End	450
Name	OJ990409_09.0204.C78.o1.gs	Method	GENSCAN
Start	268	End	450
GI	none	Score	.64
Exons	268..450		

Seq. No.	38327	Seq. ID	OJ990409_09.0204.C78
Gene No.	78829	Strand	-
Start	593	End	694
Name	OJ990409_09.0204.C78.o1.np	Method	AAT/NAP
Start	593	End	694
GI	5777617	Score	107
Exons	593..694		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.gp	Method	AAT/GAP
Start	431	End	914
GI	572159	Score	741
Exons	431..723, 803..914		
GI Descrip.	1781332/emb|CAA71493| 3.0e-20 (Y10467) peroxidase [Spinacia oleracea]		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.np	Method	AAT/NAP
Start	517	End	1422
GI	5453379	Score	692
Exons	517..723, 803..994, 1061..1422		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.gs	Method	GENSCAN
Start	529	End	1315
GI	none	Score	.76
Exons	529..792, 803..1315		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.ts	Method	TBLASTX:Soybean
Start	589	End	1357
GI	none	Score	140
Exons	589..723, 612..722, 796..987, 797..997, 1061..1132, 1063..1287, 1193..1357		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.tc	Method	TBLASTX:Cress
Start	592	End	1360
GI	none	Score	116
Exons	592..720, 615..719, 796..978, 797..994, 1034..1297, 1063..1248, 1331..1360		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.tm	Method	TBLASTX:Maize
Start	597	End	1360
GI	none	Score	114
Exons	597..719, 598..720, 796..996, 797..997, 1036..1266, 1055..1285, 1331..1360		

Seq. No.	38328	Seq. ID	OJ990409_09.0204.C79
Gene No.	78830	Strand	+
Start	529	End	1422
Name	OJ990409_09.0204.C79.o1.tw	Method	TBLASTX:Wheat
Start	905	End	1297
GI	none	Score	73
Exons	905..979, 1049..1297, 1060..1266, 1190..1297		

Seq. No.	38329	Seq. ID	OJ990409_09.0204.C80
Gene No.	78831	Strand	+
Start	308	End	1574
Name	OJ990409_09.0204.C80.o1.gs	Method	GENSCAN
Start	308	End	1574
GI	none	Score	.46
Exons	308..424, 654..741, 858..1137, 1506..1574		

Seq. No.	38330	Seq. ID	OJ990409_09.0204.C81
Gene No.	78832	Strand	+
Start	112	End	730
Name	OJ990409_09.0204.C81.o1.gs	Method	GENSCAN
Start	112	End	730
GI	none	Score	.49
Exons	112..163, 350..505, 643..730		

Seq. No.	38331	Seq. ID	OJ990409_09.0204.C82
Gene No.	78833	Strand	+
Start	187	End	555
Name	OJ990409_09.0204.C82.o1.gs	Method	GENSCAN
Start	187	End	555
GI	none	Score	.43
Exons	187..191, 336..555		

Seq. No.	38332	Seq. ID	OJ990409_09.0204.C83
Gene No.	78834	Strand	+
Start	402	End	2711
Name	OJ990409_09.0204.C83.o1.tc	Method	TBLASTX:Cress
Start	324	End	1672
GI	none	Score	129
Exons	324..455, 351..449, 534..635, 547..603, 708..755, 937..975, 1451..1519, 1451..1525, 1595..1672, 1630..1671		

Seq. No.	38332	Seq. ID	OJ990409_09.0204.C83
Gene No.	78834	Strand	+
Start	402	End	2711
Name	OJ990409_09.0204.C83.o1.tm	Method	TBLASTX:Maize
Start	349	End	2678
GI	none	Score	112
Exons	349..429, 350..448, 351..449, 538..609, 545..628, 547..609, 646..750, 696..755, 696..752, 894..971, 898..975, 913..993, 1451..1513, 1451..1510, 1464..1511, 1630..1674, 1634..1675, 1635..1676, 1815..1901, 1818..1901, 1819..1905, 2164..2199, 2165..2200, 2183..2470, 2197..2388, 2311..2484, 2403..2507, 2437..2529, 2566..2643, 2567..2644, 2568..2657, 2601..2678		

Seq. No.	38332	Seq. ID	OJ990409_09.0204.C83
Gene No.	78834	Strand	+
Start	402	End	2711

Name	OJ990409_09.0204.C83.o1.gs	Method	GENSCAN
Start	402	End	2711
GI	none	Score	.65
Exons	402..447, 548..609, 696..752,	1810..1900, 2166..2487, 2564..2711	

Seq. No.	38333	Seq. ID	OJ990409_09.0204.C84
Gene No.	78835	Strand	-
Start	722	End	828
Name	OJ990409_09.0204.C84.o1.gs	Method	GENSCAN
Start	722	End	828
GI	none	Score	.48
Exons	722..747, 810..828		

Seq. No.	38334	Seq. ID	OJ990409_09.0204.C86
Gene No.	78836	Strand	+
Start	720	End	1200
Name	OJ990409_09.0204.C86.o1.gs	Method	GENSCAN
Start	720	End	1200
GI	none	Score	.77
Exons	720..818, 1129..1200		

Seq. No.	38335	Seq. ID	OJ990409_09.0204.C87
Gene No.	78837	Strand	-
Start	1	End	337
Name	OJ990409_09.0204.C87.o1.gp	Method	AAT/GAP
Start	1	End	337
GI	none	Score	383
Exons	1..61, 162..337		

Seq. No.	38335	Seq. ID	OJ990409_09.0204.C87
Gene No.	78837	Strand	-
Start	1	End	337
Name	OJ990409_09.0204.C87.o1.gs	Method	GENSCAN
Start	162	End	260
GI	none	Score	1
Exons	162..260		

Seq. No.	38336	Seq. ID	OJ990409_09.0204.C88
Gene No.	78838	Strand	+
Start	1	End	723
Name	OJ990409_09.0204.C88.o1.np	Method	AAT/NAP
Start	1	End	723
GI	4680179	Score	660
Exons	1..723		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38336	Seq. ID	OJ990409_09.0204.C88
Gene No.	78838	Strand	+
Start	1	End	723
Name	OJ990409_09.0204.C88.o1.tw	Method	TBLASTX:Wheat
Start	189	End	548
GI	none	Score	271
Exons	189..548, 215..547		

Seq. No.	38336	Seq. ID	OJ990409_09.0204.C88
Gene No.	78838	Strand	+
Start	1	End	723

Name	OJ990409_09.0204.C88.o1.gs	Method	GENSCAN
Start	236	End	697
GI	none	Score	.56
Exons	236..364, 389..697		

Seq. No.	38336	Seq. ID	OJ990409_09.0204.C88
Gene No.	78838	Strand	+
Start	1	End	723
Name	OJ990409_09.0204.C88.o1.tm	Method	TBLASTX:Maize
Start	429	End	722
GI	none	Score	228
Exons	429..722		

Seq. No.	38336	Seq. ID	OJ990409_09.0204.C88
Gene No.	78838	Strand	+
Start	1	End	723
Name	OJ990409_09.0204.C88.o2.tw	Method	TBLASTX:Wheat
Start	549	End	722
GI	none	Score	167
Exons	549..722, 549..623		

Seq. No.	38337	Seq. ID	OJ990409_09.0204.C89
Gene No.	78839	Strand	-
Start	235	End	346
Name	OJ990409_09.0204.C89.o1.gs	Method	GENSCAN
Start	235	End	346
GI	none	Score	.54
Exons	235..346		

Seq. No.	38338	Seq. ID	OJ990409_09.0204.C90
Gene No.	78840	Strand	-
Start	249	End	1609
Name	OJ990409_09.0204.C90.o1.np	Method	AAT/NAP
Start	249	End	1609
GI	6069646	Score	628
Exons	249..910, 1495..1609		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38338	Seq. ID	OJ990409_09.0204.C90
Gene No.	78840	Strand	-
Start	249	End	1609
Name	OJ990409_09.0204.C90.o1.tm	Method	TBLASTX:Maize
Start	480	End	776
GI	none	Score	183
Exons	480..776		

Seq. No.	38339	Seq. ID	OJ990409_09.0204.C91
Gene No.	78841	Strand	-
Start	1	End	1048
Name	OJ990409_09.0204.C91.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	6498441	Score	1390
Exons	1..80, 183..1048		

GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	38339	Seq. ID	OJ990409_09.0204.C91
Gene No.	78841	Strand	-
Start	1	End	1048
Name	OJ990409_09.0204.C91.o1.gs	Method	GENSCAN
Start	82	End	705
GI	none	Score	.58
Exons	82..705		
Seq. No.	38339	Seq. ID	OJ990409_09.0204.C91
Gene No.	78841	Strand	-
Start	1	End	1048
Name	OJ990409_09.0204.C91.o1.tw	Method	TBLASTX:Wheat
Start	705	End	1043
GI	none	Score	92
Exons	705..962, 739..978, 945..1043, 946..1038		
Seq. No.	38339	Seq. ID	OJ990409_09.0204.C91
Gene No.	78841	Strand	-
Start	1	End	1048
Name	OJ990409_09.0204.C91.o1.tm	Method	TBLASTX:Maize
Start	807	End	1043
GI	none	Score	88
Exons	807..1043, 808..1020		
Seq. No.	38340	Seq. ID	OJ990409_09.0204.C92
Gene No.	78842	Strand	-
Start	1	End	102
Name	OJ990409_09.0204.C92.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	96783_1.R1084	Score	204
Exons	1..102		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		
Seq. No.	38340	Seq. ID	OJ990409_09.0204.C92
Gene No.	78843	Strand	-
Start	43	End	256
Name	OJ990409_09.0204.C92.o1.gs	Method	GENSCAN
Start	43	End	256
GI	none	Score	.85
Exons	43..256		
Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78844	Strand	+
Start	88	End	488
Name	OJ990409_09.0204.C93.o1.gs	Method	GENSCAN
Start	88	End	488
GI	none	Score	.53
Exons	88..283, 427..488		
Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521

Name	OJ990409_09.0204.C93.o1.np	Method	AAT/NAP
Start	2461	End	4521
GI	81799	Score	379
Exons	2461..2672, 3027..3088, 3173..3402, 4476..4521		
GI Descrip.	nodulin-26 precursor - soybean		

Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521
Name	OJ990409_09.0204.C93.o1.tw	Method	TBLASTX:Wheat
Start	2479	End	3089
GI	none	Score	105
Exons	2479..2562, 2482..2568, 2573..2683, 2574..2672, 3018..3089		

Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521
Name	OJ990409_09.0204.C93.o1.tc	Method	TBLASTX:Cress
Start	2482	End	3365
GI	none	Score	71
Exons	2482..2568, 2576..2704, 2577..2681, 3170..3286, 3174..3284, 3278..3361, 3288..3365		

Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521
Name	OJ990409_09.0204.C93.o1.ts	Method	TBLASTX:Soybean
Start	2482	End	3361
GI	none	Score	121
Exons	2482..2568, 2573..2704, 2574..2672, 3147..3284, 3170..3283, 3320..3361		

Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521
Name	OJ990409_09.0204.C93.o1.tm	Method	TBLASTX:Maize
Start	2482	End	3387
GI	none	Score	72
Exons	2482..2562, 2482..2568, 2573..2683, 2574..2672, 3021..3098, 3170..3283, 3174..3278, 3352..3387		

Seq. No.	38341	Seq. ID	OJ990409_09.0204.C93
Gene No.	78845	Strand	-
Start	2507	End	4521
Name	OJ990409_09.0204.C93.o2.gs	Method	GENSCAN
Start	2507	End	3488
GI	none	Score	.7
Exons	2507..2672, 3027..3088, 3173..3388, 3406..3488		

Seq. No.	38342	Seq. ID	OJ990409_09.0204.C95
Gene No.	78846	Strand	-
Start	237	End	541
Name	OJ990409_09.0204.C95.o1.gp	Method	AAT/GAP
Start	237	End	541
GI	427939	Score	553
Exons	237..541		

Seq. No.	38343	Seq. ID	OJ990409_09.0204.C98
Gene No.	78847	Strand	-
Start	1	End	678
Name	OJ990409_09.0204.C98.o1.np	Method	AAT/NAP
Start	1	End	678
GI	6957728	Score	213
Exons	1..182, 314..678		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38343	Seq. ID	OJ990409_09.0204.C98
Gene No.	78847	Strand	-
Start	1	End	678
Name	OJ990409_09.0204.C98.o1.gs	Method	GENSCAN
Start	23	End	657
GI	none	Score	.86
Exons	23..104, 326..657		

Seq. No.	38343	Seq. ID	OJ990409_09.0204.C98
Gene No.	78847	Strand	-
Start	1	End	678
Name	OJ990409_09.0204.C98.o1.tm	Method	TBLASTX:Maize
Start	466	End	657
GI	none	Score	123
Exons	466..648, 468..593, 469..657		

Seq. No.	38344	Seq. ID	OJ990409_09.0204.C99
Gene No.	78848	Strand	-
Start	1	End	578
Name	OJ990409_09.0204.C99.o1.np	Method	AAT/NAP
Start	1	End	578
GI	5852093	Score	58
Exons	1..35, 293..420, 536..578		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	38345	Seq. ID	OJ990409_09.0204.C100
Gene No.	78849	Strand	+
Start	141	End	271
Name	OJ990409_09.0204.C100.o1.gs	Method	GENSCAN
Start	141	End	271
GI	none	Score	.6
Exons	141..271		

Seq. No.	38346	Seq. ID	OJ990409_09.0204.C101
Gene No.	78850	Strand	-
Start	1	End	109
Name	OJ990409_09.0204.C101.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	3769140	Score	196
Exons	1..109		
GI Descrip.	2944417 9.0e-11 (AF049881) peroxidase FLXPER4 [Linum usitatissimum]		

Seq. No.	38346	Seq. ID	OJ990409_09.0204.C101
Gene No.	78851	Strand	-
Start	11	End	109
Name	OJ990409_09.0204.C101.o1.np	Method	AAT/NAP
Start	11	End	109

GI	2944417	Score	133
Exons	11..109		
GI Descrip.	(AF049881) peroxidase FLXPER4 [Linum usitatissimum]		

Seq. No.	38346	Seq. ID	OJ990409_09.0204.C101
Gene No.	78852	Strand	-
Start	38	End	85
Name	OJ990409_09.0204.C101.o1.gs	Method	GENSCAN
Start	38	End	85
GI	none	Score	.42
Exons	38..85		

Seq. No.	38347	Seq. ID	OJ990409_09.0204.C102
Gene No.	78853	Strand	-
Start	399	End	474
Name	OJ990409_09.0204.C102.o1.gp	Method	AAT/GAP
Start	399	End	474
GI	3760640	Score	99
Exons	399..474		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38348	Seq. ID	OJ990409_09.0204.C103
Gene No.	78854	Strand	-
Start	488	End	630
Name	OJ990409_09.0204.C103.o1.tm	Method	TBLASTX:Maize
Start	482	End	626
GI	none	Score	82
Exons	482..625, 486..626		

Seq. No.	38348	Seq. ID	OJ990409_09.0204.C103
Gene No.	78854	Strand	-
Start	488	End	630
Name	OJ990409_09.0204.C103.o1.np	Method	AAT/NAP
Start	488	End	630
GI	4539394	Score	182
Exons	488..630		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	38349	Seq. ID	OJ990409_09.0204.C104
Gene No.	78855	Strand	-
Start	163	End	585
Name	OJ990409_09.0204.C104.o1.gs	Method	GENSCAN
Start	163	End	585
GI	none	Score	.97
Exons	163..585		

Seq. No.	38350	Seq. ID	OJ990409_09.0204.C106
Gene No.	78856	Strand	+
Start	189	End	613
Name	OJ990409_09.0204.C106.o1.gs	Method	GENSCAN
Start	189	End	613
GI	none	Score	.63
Exons	189..317, 371..457, 489..613		

Seq. No.	38351	Seq. ID	OJ990409_09.0204.C108
Gene No.	78857	Strand	-

Start	593	End	763
Name	OJ990409_09.0204.C108.o1.gs	Method	GENSCAN
Start	593	End	763
GI	none	Score	.42
Exons	593..763		

Seq. No.	38351	Seq. ID	OJ990409_09.0204.C108
Gene No.	78858	Strand	-
Start	710	End	830
Name	OJ990409_09.0204.C108.o1.np	Method	AAT/NAP
Start	710	End	830
GI	5042454	Score	77
Exons	710..830		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38352	Seq. ID	OJ990409_09.0204.C109
Gene No.	78859	Strand	+
Start	1	End	208
Name	OJ990409_09.0204.C109.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	39951_2.R1084	Score	368
Exons	1..208		
GI Descrip.	'2832617/emb|CAA16746.1| 6.0e-26 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	38352	Seq. ID	OJ990409_09.0204.C109
Gene No.	78860	Strand	+
Start	301	End	340
Name	OJ990409_09.0204.C109.o1.tm	Method	TBLASTX:Maize
Start	1	End	215
GI	none	Score	71
Exons	1..54, 3..53, 58..207, 100..207, 102..209, 168..215		

Seq. No.	38352	Seq. ID	OJ990409_09.0204.C109
Gene No.	78860	Strand	+
Start	301	End	340
Name	OJ990409_09.0204.C109.o1.gs	Method	GENSCAN
Start	301	End	340
GI	none	Score	.62
Exons	301..340		

Seq. No.	38353	Seq. ID	OJ990409_09.0204.C114
Gene No.	78861	Strand	+
Start	521	End	642
Name	OJ990409_09.0204.C114.o1.gs	Method	GENSCAN
Start	521	End	642
GI	none	Score	.7
Exons	521..642		

Seq. No.	38354	Seq. ID	OJ990409_09.0204.C115
Gene No.	78862	Strand	-
Start	1	End	270
Name	OJ990409_09.0204.C115.o1.gp	Method	AAT/GAP
Start	1	End	270
GI	31784_1.R1084	Score	502
Exons	1..270		
GI Descrip.	'1877397/emb|CAA72330| 2.0e-75 (Y11591) shaggy-like kinase		

[Ricinus communis]'

Seq. No.	38354	Seq. ID	OJ990409_09.0204.C115
Gene No.	78863	Strand	-
Start	189	End	222
Name	OJ990409_09.0204.C115.o1.gs	Method	GENSCAN
Start	189	End	222
GI	none	Score	.98
Exons	189..222		

Seq. No.	38355	Seq. ID	OJ990409_09.0204.C117
Gene No.	78864	Strand	-
Start	1	End	388
Name	OJ990409_09.0204.C117.o1.np	Method	AAT/NAP
Start	1	End	388
GI	5852172	Score	90
Exons	1..53, 99..122, 359..388		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	38355	Seq. ID	OJ990409_09.0204.C117
Gene No.	78864	Strand	-
Start	1	End	388
Name	OJ990409_09.0204.C117.o1.gs	Method	GENSCAN
Start	31	End	187
GI	none	Score	.87
Exons	31..187		

Seq. No.	38356	Seq. ID	OJ990409_09.0204.C118
Gene No.	78865	Strand	-
Start	280	End	424
Name	OJ990409_09.0204.C118.o1.gs	Method	GENSCAN
Start	280	End	424
GI	none	Score	.45
Exons	280..424		

Seq. No.	38357	Seq. ID	OJ990409_09.0204.C119
Gene No.	78866	Strand	-
Start	1	End	610
Name	OJ990409_09.0204.C119.o1.np	Method	AAT/NAP
Start	1	End	604
GI	3047087	Score	74
Exons	1..26, 294..412, 458..604		
GI Descrip.	(AF058914) contains similarity to SRF-type transcription factor DNA-binding and dimerization domain (Pfam: transcript_fact.hmm, score 63.38) [Arabidopsis thaliana]		

Seq. No.	38357	Seq. ID	OJ990409_09.0204.C119
Gene No.	78866	Strand	-
Start	1	End	610
Name	OJ990409_09.0204.C119.o1.gs	Method	GENSCAN
Start	131	End	469
GI	none	Score	.97
Exons	131..469		

Seq. No.	38357	Seq. ID	OJ990409_09.0204.C119
Gene No.	78866	Strand	-
Start	1	End	610

Name	OJ990409_09.0204.C119.o1.tw	Method	TBLASTX:Wheat
Start	251	End	610
GI	none	Score	99
Exons	251..415, 261..434, 435..596,	443..610	

Seq. No.	38357	Seq. ID	OJ990409_09.0204.C119
Gene No.	78866	Strand	-
Start	1	End	610
Name	OJ990409_09.0204.C119.o1.tc	Method	TBLASTX:Cress
Start	252	End	607
GI	none	Score	69
Exons	252..437, 266..436, 461..607		

Seq. No.	38358	Seq. ID	OJ990409_09.0204.C120
Gene No.	78867	Strand	-
Start	219	End	670
Name	OJ990409_09.0204.C120.o1.gs	Method	GENSCAN
Start	219	End	670
GI	none	Score	.48
Exons	219..504, 574..670		

Seq. No.	38359	Seq. ID	OJ990409_09.0204.C121
Gene No.	78868	Strand	+
Start	1	End	481
Name	OJ990409_09.0204.C121.o1.np	Method	AAT/NAP
Start	1	End	481
GI	5803259	Score	491
Exons	1..481		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	38359	Seq. ID	OJ990409_09.0204.C121
Gene No.	78869	Strand	-
Start	254	End	426
Name	OJ990409_09.0204.C121.o1.gs	Method	GENSCAN
Start	254	End	426
GI	none	Score	.46
Exons	254..426		

Seq. No.	38360	Seq. ID	OJ990409_09.0204.C123
Gene No.	78870	Strand	+
Start	48	End	580
Name	OJ990409_09.0204.C123.o1.gs	Method	GENSCAN
Start	48	End	580
GI	none	Score	.81
Exons	48..107, 210..407, 479..580		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o1.np	Method	AAT/NAP
Start	342	End	1897
GI	6587808	Score	715
Exons	342..599, 884..1039, 1212..1673, 1774..1897		
GI Descrip.	(AC010924) Contains similarity to gb|AF151801 CGI-43 protein from Homo sapiens. EST gb|AI999800 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o1.gs	Method	GENSCAN
Start	370	End	1830
GI	none	Score	.62
Exons	370..599, 884..1039, 1212..1455, 1519..1673, 1774..1830		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o3.ts	Method	TBLASTX:Soybean
Start	433	End	608
GI	none	Score	82
Exons	433..510, 434..532, 435..608, 436..513		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o1.gp	Method	AAT/GAP
Start	470	End	1268
GI	none	Score	630
Exons	470..599, 884..1039, 1212..1268		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o1.ts	Method	TBLASTX:Soybean
Start	870	End	1039
GI	none	Score	103
Exons	870..962, 871..1011, 884..1039		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o1.tm	Method	TBLASTX:Maize
Start	871	End	1887
GI	none	Score	165
Exons	871..1038, 871..1038, 884..1039, 1206..1457, 1211..1456, 1213..1458, 1507..1674, 1514..1675, 1517..1618, 1518..1646, 1534..1674, 1772..1870, 1772..1873, 1773..1871, 1774..1887, 1774..1875		

Seq. No.	38361	Seq. ID	OJ990409_09.0204.C127
Gene No.	78871	Strand	-
Start	342	End	1897
Name	OJ990409_09.0204.C127.o2.ts	Method	TBLASTX:Soybean
Start	1239	End	1484
GI	none	Score	99
Exons	1239..1484, 1246..1458, 1307..1471		

Seq. No.	38362	Seq. ID	OJ990409_09.0204.C128
Gene No.	78872	Strand	+
Start	1	End	1277
Name	OJ990409_09.0204.C128.o1.np	Method	AAT/NAP
Start	1	End	1277
GI	4220486	Score	238

Exons 1..32, 233..378, 451..548, 996..1277
GI Descrip. (AC006069) unknown protein [Arabidopsis thaliana]

Seq. No.	38362	Seq. ID	OJ990409_09.0204.C128
Gene No.	78872	Strand	+
Start	1	End	1277
Name	OJ990409_09.0204.C128.o1.tm	Method	TBLASTX:Maize
Start	351	End	1064
GI	none	Score	167
Exons	351..491, 351..497, 492..548, 993..1046, 1047..1064	493..549,	494..565, 495..554, 992..1045,

Seq. No.	38363	Seq. ID	OJ990409_09.0204.C129
Gene No.	78873	Strand	-
Start	1	End	290
Name	OJ990409_09.0204.C129.o1.np	Method	AAT/NAP
Start	1	End	290
GI	6721512	Score	48
Exons	1..60, 138..290		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38364	Seq. ID	OJ990409_09.0204.C130
Gene No.	78874	Strand	+
Start	171	End	594
Name	OJ990409_09.0204.C130.o1.gs	Method	GENSCAN
Start	171	End	594
GI	none	Score	.76
Exons	171..225, 434..594		

Seq. No.	38365	Seq. ID	OJ990409_09.0204.C131
Gene No.	78875	Strand	+
Start	59	End	711
Name	OJ990409_09.0204.C131.o1.gs	Method	GENSCAN
Start	59	End	711
GI	none	Score	.89
Exons	59..711		

Seq. No.	38365	Seq. ID	OJ990409_09.0204.C131
Gene No.	78875	Strand	+
Start	59	End	711
Name	OJ990409_09.0204.C131.o1.tm	Method	TBLASTX:Maize
Start	246	End	675
GI	none	Score	35
Exons	246..269, 260..481, 264..530, 496..672	432..671,	483..626, 487..675,

Seq. No.	38366	Seq. ID	OJ990409_09.0204.C133
Gene No.	78876	Strand	+
Start	331	End	402
Name	OJ990409_09.0204.C133.o1.gs	Method	GENSCAN
Start	331	End	402
GI	none	Score	.79
Exons	331..402		

Seq. No.	38367	Seq. ID	OJ990409_09.0204.C140
Gene No.	78877	Strand	+
Start	1	End	608

Name	OJ990409_09.0204.C140.o1.np	Method	AAT/NAP
Start	1	End	608
GI	6728973	Score	331
Exons	1..608		
GI Descrip.	(AC018363) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	38367	Seq. ID	OJ990409_09.0204.C140
Gene No.	78877	Strand	+
Start	1	End	608
Name	OJ990409_09.0204.C140.o1.gs	Method	GENSCAN
Start	48	End	598
GI	none	Score	.48
Exons	48..598		

Seq. No.	38367	Seq. ID	OJ990409_09.0204.C140
Gene No.	78877	Strand	+
Start	1	End	608
Name	OJ990409_09.0204.C140.o1.tm	Method	TBLASTX:Maize
Start	48	End	589
GI	none	Score	81
Exons	48..182, 104..154, 105..167, 249..371, 257..307, 392..589, 393..587		

Seq. No.	38367	Seq. ID	OJ990409_09.0204.C140
Gene No.	78877	Strand	+
Start	1	End	608
Name	OJ990409_09.0204.C140.o1.tc	Method	TBLASTX:Cress
Start	102	End	581
GI	none	Score	76
Exons	102..182, 183..254, 200..238, 245..301, 249..362, 392..502, 393..497, 482..580, 483..581		

Seq. No.	38367	Seq. ID	OJ990409_09.0204.C140
Gene No.	78877	Strand	+
Start	1	End	608
Name	OJ990409_09.0204.C140.o1.ts	Method	TBLASTX:Soybean
Start	102	End	587
GI	none	Score	78
Exons	102..182, 116..151, 240..371, 276..317, 392..568, 393..587		

Seq. No.	38368	Seq. ID	OJ990409_09.0204.C141
Gene No.	78878	Strand	+
Start	27	End	251
Name	OJ990409_09.0204.C141.o1.gs	Method	GENSCAN
Start	27	End	251
GI	none	Score	.61
Exons	27..251		

Seq. No.	38369	Seq. ID	OJ990409_09.0204.C144
Gene No.	78879	Strand	-
Start	1	End	57
Name	OJ990409_09.0204.C144.o1.gp	Method	AAT/GAP
Start	1	End	57
GI	3760640	Score	84
Exons	1..57		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38370	Seq. ID	OJ990409_09.0204.C148
Gene No.	78880	Strand	-
Start	92	End	367
Name	OJ990409_09.0204.C148.o1.gs	Method	GENSCAN
Start	92	End	367
GI	none	Score	.96
Exons	92..367		

Seq. No.	38371	Seq. ID	OJ990409_09.0204.C150
Gene No.	78881	Strand	+
Start	109	End	238
Name	OJ990409_09.0204.C150.o1.gs	Method	GENSCAN
Start	109	End	238
GI	none	Score	.95
Exons	109..238		

Seq. No.	38372	Seq. ID	OJ990409_09.0204.C151
Gene No.	78882	Strand	-
Start	192	End	256
Name	OJ990409_09.0204.C151.o1.gs	Method	GENSCAN
Start	192	End	256
GI	none	Score	.56
Exons	192..256		

Seq. No.	38373	Seq. ID	OJ990409_09.0204.C153
Gene No.	78883	Strand	+
Start	54	End	118
Name	OJ990409_09.0204.C153.o1.gs	Method	GENSCAN
Start	54	End	118
GI	none	Score	.68
Exons	54..118		

Seq. No.	38373	Seq. ID	OJ990409_09.0204.C153
Gene No.	78884	Strand	-
Start	1	End	683
Name	OJ990409_09.0204.C153.o1.np	Method	AAT/NAP
Start	1	End	683
GI	6721516	Score	252
Exons	1..28, 341..683		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38373	Seq. ID	OJ990409_09.0204.C153
Gene No.	78884	Strand	-
Start	1	End	683
Name	OJ990409_09.0204.C153.o2.gs	Method	GENSCAN
Start	324	End	674
GI	none	Score	.88
Exons	324..674		

Seq. No.	38374	Seq. ID	OJ990409_09.0204.C154
Gene No.	78885	Strand	-
Start	372	End	700
Name	OJ990409_09.0204.C154.o1.gs	Method	GENSCAN
Start	372	End	461
GI	none	Score	.54
Exons	372..461		

Seq. No.	38374	Seq. ID	OJ990409_09.0204.C154
Gene No.	78885	Strand	-
Start	372	End	700
Name	OJ990409_09.0204.C154.o1.np	Method	AAT/NAP
Start	372	End	700
GI	3915300	Score	142
Exons	372..581, 680..700		
GI Descrip.	DNA-REPAIR PROTEIN COMPLEMENTING XP-C CELLS HOMOLOG (XERODERMA PIGMENTOSUM GROUP C COMPLEMENTING PROTEIN HOMOLOG) (XPCDM) gi|630881|pir||S42402 xeroderma pigmentosum group C complementing factor - fruit fly (Drosophila melanogaster) gi|434008|emb|CAA82262| (Z28622) xeroderma pigmentosum group C complementing factor [Drosophila melanogaster]		

Seq. No.	38375	Seq. ID	OJ990409_09.0204.C156
Gene No.	78886	Strand	+
Start	44	End	189
Name	OJ990409_09.0204.C156.o1.gs	Method	GENSCAN
Start	44	End	189
GI	none	Score	.85
Exons	44..189		

Seq. No.	38376	Seq. ID	OJ990409_09.0204.C157
Gene No.	78887	Strand	-
Start	111	End	674
Name	OJ990409_09.0204.C157.o1.gp	Method	AAT/GAP
Start	111	End	674
GI	none	Score	1089
Exons	111..674		

Seq. No.	38377	Seq. ID	OJ990409_09.0204.C164
Gene No.	78888	Strand	+
Start	106	End	406
Name	OJ990409_09.0204.C164.o1.gs	Method	GENSCAN
Start	106	End	406
GI	none	Score	.64
Exons	106..406		

Seq. No.	38378	Seq. ID	OJ990409_09.0204.C165
Gene No.	78889	Strand	-
Start	39	End	92
Name	OJ990409_09.0204.C165.o1.gs	Method	GENSCAN
Start	39	End	92
GI	none	Score	.93
Exons	39..92		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.gp	Method	AAT/GAP
Start	950	End	1255
GI	799_2.R1084	Score	586
Exons	950..1255		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 9.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.tw	Method	TBLASTX:Wheat
Start	998	End	1254
GI	none	Score	206
Exons	998..1039, 1090..1254, 1098..1253		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.tc	Method	TBLASTX:Cress
Start	1072	End	1254
GI	none	Score	161
Exons	1072..1254, 1103..1198, 1138..1251		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.gs	Method	GENSCAN
Start	1081	End	1251
GI	none	Score	95
Exons	1081..1251		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.np	Method	AAT/NAP
Start	1084	End	1255
GI	6093997	Score	270
Exons	1084..1255		
GI Descrip.	60S RIBOSOMAL PROTEIN L11 gi|2570507 (AF022736) ribosomal protein [Oryza sativa]		

Seq. No.	38379	Seq. ID	OJ990409_09.0204.C167
Gene No.	78890	Strand	-
Start	1081	End	1255
Name	OJ990409_09.0204.C167.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1254
GI	none	Score	186
Exons	1096..1254, 1097..1198, 1098..1250, 1138..1251		

Seq. No.	38380	Seq. ID	OJ990409_09.0204.C168
Gene No.	78891	Strand	+
Start	430	End	516
Name	OJ990409_09.0204.C168.o2.gp	Method	AAT/GAP
Start	430	End	516
GI	5771201	Score	117
Exons	430..516		
GI Descrip.	287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)		

Seq. No.	38380	Seq. ID	OJ990409_09.0204.C168
Gene No.	78892	Strand	-
Start	1	End	87
Name	OJ990409_09.0204.C168.o1.np	Method	AAT/NAP

Start	1	End	87
GI	6093997	Score	128
Exons	1..87		
GI Descrip.	60S RIBOSOMAL PROTEIN L11 gi|2570507 (AF022736) ribosomal protein [Oryza sativa]		

Seq. No.	38380	Seq. ID	OJ990409_09.0204.C168
Gene No.	78893	Strand	-
Start	1	End	321
Name	OJ990409_09.0204.C168.o1.gp	Method	AAT/GAP
Start	1	End	321
GI	799_2.R1084	Score	344
Exons	1..84, 200..321		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 9.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	38380	Seq. ID	OJ990409_09.0204.C168
Gene No.	78893	Strand	-
Start	1	End	321
Name	OJ990409_09.0204.C168.o1.gs	Method	GENSCAN
Start	43	End	202
GI	none	Score	.86
Exons	43..84, 200..202		

Seq. No.	38381	Seq. ID	OJ990409_09.0204.C169
Gene No.	78894	Strand	+
Start	1	End	947
Name	OJ990409_09.0204.C169.o1.np	Method	AAT/NAP
Start	1	End	947
GI	5923669	Score	129
Exons	1..167, 494..947		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38381	Seq. ID	OJ990409_09.0204.C169
Gene No.	78894	Strand	+
Start	1	End	947
Name	OJ990409_09.0204.C169.o1.gs	Method	GENSCAN
Start	372	End	894
GI	none	Score	.68
Exons	372..894		

Seq. No.	38382	Seq. ID	OJ990409_09.0204.C170
Gene No.	78895	Strand	+
Start	1	End	696
Name	OJ990409_09.0204.C170.o1.np	Method	AAT/NAP
Start	1	End	696
GI	4539394	Score	495
Exons	1..696		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	38382	Seq. ID	OJ990409_09.0204.C170
Gene No.	78895	Strand	+
Start	1	End	696
Name	OJ990409_09.0204.C170.o1.tc	Method	TBLASTX:Cress
Start	6	End	695
GI	none	Score	143

Exons	6..308, 20..232, 21..293, 98..328, 174..596, 182..250, 315..596, 374..484, 471..596, 606..695		
Seq. No.	38382	Seq. ID	OJ990409_09.0204.C170
Gene No.	78895	Strand	+
Start	1	End	696
Name	OJ990409_09.0204.C170.o1.tm	Method	TBLASTX:Maize
Start	9	End	695
GI	none	Score	113
Exons	9..293, 12..305, 71..346, 134..304, 275..481, 300..596, 306..599, 346..531, 435..530, 606..695		
Seq. No.	38382	Seq. ID	OJ990409_09.0204.C170
Gene No.	78895	Strand	+
Start	1	End	696
Name	OJ990409_09.0204.C170.o1.tw	Method	TBLASTX:Wheat
Start	12	End	599
GI	none	Score	110
Exons	12..233, 149..385, 150..536, 453..599		
Seq. No.	38382	Seq. ID	OJ990409_09.0204.C170
Gene No.	78895	Strand	+
Start	1	End	696
Name	OJ990409_09.0204.C170.o1.ts	Method	TBLASTX:Soybean
Start	21	End	689
GI	none	Score	102
Exons	21..224, 174..557, 186..344, 459..599, 612..689		
Seq. No.	38383	Seq. ID	OJ990409_09.0204.C171
Gene No.	78896	Strand	-
Start	27	End	121
Name	OJ990409_09.0204.C171.o1.gs	Method	GENSCAN
Start	27	End	121
GI	none	Score	.72
Exons	27..121		
Seq. No.	38384	Seq. ID	OJ990409_09.0204.C172
Gene No.	78897	Strand	-
Start	166	End	235
Name	OJ990409_09.0204.C172.o1.gs	Method	GENSCAN
Start	166	End	235
GI	none	Score	.58
Exons	166..235		
Seq. No.	38385	Seq. ID	OJ990409_09.0204.C174
Gene No.	78898	Strand	+
Start	88	End	306
Name	OJ990409_09.0204.C174.o1.gs	Method	GENSCAN
Start	88	End	306
GI	none	Score	.53
Exons	88..306		
Seq. No.	38386	Seq. ID	OJ990409_09.0204.C176
Gene No.	78899	Strand	+
Start	62	End	694
Name	OJ990409_09.0204.C176.o1.gs	Method	GENSCAN
Start	62	End	663

GI	none	Score	.83
Exons	62..663		
Seq. No.	38386	Seq. ID	OJ990409_09.0204.C176
Gene No.	78899	Strand	+
Start	62	End	694
Name	OJ990409_09.0204.C176.o1.tm	Method	TBLASTX:Maize
Start	389	End	694
GI	none	Score	195
Exons	389..694		
Seq. No.	38387	Seq. ID	OJ990409_09.0204.C177
Gene No.	78900	Strand	-
Start	402	End	512
Name	OJ990409_09.0204.C177.o1.gs	Method	GENSCAN
Start	402	End	512
GI	none	Score	.74
Exons	402..512		
Seq. No.	38388	Seq. ID	OJ990709_02.0207.C1
Gene No.	78901	Strand	+
Start	1	End	1971
Name	OJ990709_02.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	1971
GI	6907089	Score	2521
Exons	1..1080, 1186..1971		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	38388	Seq. ID	OJ990709_02.0207.C1
Gene No.	78901	Strand	+
Start	1	End	1971
Name	OJ990709_02.0207.C1.o1.gs	Method	GENSCAN
Start	75	End	1930
GI	none	Score	.61
Exons	75..435, 450..806, 912..1080, 1186..1930		
Seq. No.	38389	Seq. ID	OJ990709_02.0207.C2
Gene No.	78902	Strand	+
Start	1	End	526
Name	OJ990709_02.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6539586	Score	804
Exons	1..523		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	38389	Seq. ID	OJ990709_02.0207.C2
Gene No.	78902	Strand	+
Start	1	End	526
Name	OJ990709_02.0207.C2.o1.gs	Method	GENSCAN
Start	77	End	526
GI	none	Score	.99
Exons	77..526		
Seq. No.	38389	Seq. ID	OJ990709_02.0207.C2
Gene No.	78903	Strand	-
Start	1150	End	1275
Name	OJ990709_02.0207.C2.o2.np	Method	AAT/NAP

Start	1150	End	1275
GI	6498441	Score	242
Exons	1150..1275		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78904	Strand	+
Start	1239	End	4237
Name	OJ990709_02.0207.C3.o2.np	Method	AAT/NAP
Start	1239	End	4237
GI	5777623	Score	216
Exons	1239..1370, 3180..3505, 3942..4115, 4154..4237		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78905	Strand	-
Start	1	End	1629
Name	OJ990709_02.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	1629
GI	2558660	Score	310
Exons	1..30, 921..1629		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78906	Strand	-
Start	2279	End	4237
Name	OJ990709_02.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	923	End	1210
GI	none	Score	48
Exons	923..1018, 981..1022, 1007..1210, 1020..1202, 1022..1210		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78906	Strand	-
Start	2279	End	4237
Name	OJ990709_02.0207.C3.o1.ts	Method	TBLASTX:Soybean
Start	923	End	1495
GI	none	Score	173
Exons	923..1261, 987..1235, 1268..1495		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78906	Strand	-
Start	2279	End	4237
Name	OJ990709_02.0207.C3.o2.gs	Method	GENSCAN
Start	2279	End	4167
GI	none	Score	.49
Exons	2279..2324, 2632..2681, 3177..3314, 3539..3641, 3811..4167		

Seq. No.	38390	Seq. ID	OJ990709_02.0207.C3
Gene No.	78906	Strand	-
Start	2279	End	4237
Name	OJ990709_02.0207.C3.o3.np	Method	AAT/NAP
Start	3571	End	4237
GI	6498441	Score	462
Exons	3571..3665, 3995..4237		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	38391	Seq. ID	OJ990709_02.0207.C4
Gene No.	78907	Strand	+
Start	1	End	481
Name	OJ990709_02.0207.C4.o1.np	Method	AAT/NAP
Start	1	End	481
GI	6907086	Score	539
Exons	1..481		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38391	Seq. ID	OJ990709_02.0207.C4
Gene No.	78908	Strand	-
Start	85	End	386
Name	OJ990709_02.0207.C4.o1.gs	Method	GENSCAN
Start	85	End	386
GI	none	Score	.77
Exons	85..386		

Seq. No.	38392	Seq. ID	OJ990709_02.0207.C5
Gene No.	78909	Strand	-
Start	654	End	924
Name	OJ990709_02.0207.C5.o1.np	Method	AAT/NAP
Start	654	End	924
GI	5852084	Score	84
Exons	654..743, 892..924		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o1.np	Method	AAT/NAP
Start	1	End	4018
GI	2828296	Score	2344
Exons	1..144, 239..336, 457..574, 707..796, 1277..1581, 1669..1864, 1942..2148, 2259..2488, 3412..3657, 3902..4018		
GI Descrip.	(AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o1.gs	Method	GENSCAN
Start	239	End	10562
GI	none	Score	.57
Exons	239..336, 472..574, 707..796, 1277..1581, 1669..1864, 1942..2124, 2220..2448, 3419..3657, 4653..4771, 5919..6091, 6253..6315, 6503..7016, 7896..8832, 9386..9481, 10024..10058, 10394..10562		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o1.gp	Method	AAT/GAP
Start	1403	End	2028
GI	5056061	Score	861
Exons	1403..1581, 1669..1864, 1942..2028		

GI Descrip.	2828296/emb|CAA16710.1| 2.0e-61 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]		
Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o2.gp	Method	AAT/GAP
Start	2247	End	3584
GI	2428611	Score	711
Exons	2247..2488, 3412..3584		
GI Descrip.	2828296/emb|CAA16710.1| 4.0e-53 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]		
Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o3.gp	Method	AAT/GAP
Start	3927	End	4543
GI	92748_1.R1084	Score	984
Exons	3927..4036, 4139..4543		
GI Descrip.	'2828296/emb|CAA16710.1| 6.0e-10 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]'		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o2.np	Method	AAT/NAP
Start	7493	End	10559
GI	6598622	Score	1450
Exons	7493..7551, 7887..8832, 9386..9481, 10024..10180, 10387..10559		
GI Descrip.	(AC006837) unknown protein [Arabidopsis thaliana]		
Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78910	Strand	+
Start	1	End	10636
Name	OJ990709_02.0207.C6.o4.gp	Method	AAT/GAP
Start	10032	End	10636
GI	none	Score	671
Exons	10032..10160, 10394..10636		
Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78911	Strand	+
Start	18694	End	20039
Name	OJ990709_02.0207.C6.o4.gs	Method	GENSCAN
Start	18694	End	20039
GI	none	Score	74
Exons	18694..18828, 18901..19113, 19180..19435, 19501..19588, 19874..20039		
Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78912	Strand	-
Start	1	End	18187
Name	OJ990709_02.0207.C6.o3.np	Method	AAT/NAP
Start	1	End	17863
GI	3845297	Score	74
Exons	1..79, 16268..16321, 16416..16521, 16633..16714, 17043..17186, 17747..17863		

GI Descrip. (AE001421) hypothetical protein [Plasmodium falciparum]

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78912	Strand	-
Start	1	End	18187
Name	OJ990709_02.0207.C6.o5.gp	Method	AAT/GAP
Start	11625	End	12108
GI	LIB3475-001-P1-K2-B2	Score	936
Exons	11625..12108		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78912	Strand	-
Start	1	End	18187
Name	OJ990709_02.0207.C6.o2.gs	Method	GENSCAN
Start	12252	End	13999
GI	none	Score	.87
Exons	12252..12422, 12772..12852, 12984..13057, 13331..13367, 13643..13999		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78912	Strand	-
Start	1	End	18187
Name	OJ990709_02.0207.C6.o3.gs	Method	GENSCAN
Start	15204	End	18187
GI	none	Score	.58
Exons	15204..15350, 15433..15528, 16225..16282, 16416..16521, 16642..16714, 17043..17186, 17747..18187		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	71	End	4048
GI	none	Score	125
Exons	71..136, 72..230, 73..150, 233..337, 238..339, 238..336, 443..574, 454..573, 479..559, 690..797, 697..792, 701..796, 704..802, 711..800, 1276..1581, 1277..1579, 1391..1570, 1403..1534, 1405..1554, 1631..1810, 1649..1867, 1666..1863, 1930..2124, 1936..2124, 1980..2126, 2219..2482, 2220..2501, 2220..2483, 2400..2477, 3397..3501, 3409..3657, 3410..3655, 3411..3656, 3493..3657, 3897..4022, 3902..4021, 3902..4048		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	72	End	3657
GI	none	Score	120
Exons	72..158, 73..150, 233..337, 236..337, 237..338, 237..338, 238..366, 437..571, 443..571, 454..573, 479..559, 697..786, 707..802, 716..796, 1270..1572, 1275..1571, 1276..1581, 1277..1579, 1391..1570, 1649..1867, 1666..1866, 1679..1747, 1954..2124, 1980..2126, 1980..2123, 2219..2251, 2220..2252, 2240..2482, 2250..2501, 2400..2477, 3397..3501, 3406..3585, 3409..3603, 3411..3602, 3493..3657		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o2.tc	Method	TBLASTX:Cress
Start	72	End	1351
GI	none	Score	120
Exons	72..158, 73..150, 233..337, 236..337, 238..366, 443..478, 454..477, 697..795, 707..802, 1276..1350, 1277..1351		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	479	End	3657
GI	none	Score	75
Exons	479..559, 1510..1581, 1511..1579, 1646..1864, 1647..1853, 1649..1867, 1666..1866, 1954..2124, 1980..2123, 1995..2150, 2219..2422, 2220..2429, 2223..2438, 3487..3657		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	479	End	2438
GI	none	Score	74
Exons	479..559, 2047..2124, 2047..2124, 2219..2437, 2220..2438, 2223..2438		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o2.tw	Method	TBLASTX:Wheat
Start	1391	End	3962
GI	none	Score	139
Exons	1391..1570, 1405..1554, 1631..1810, 2439..2501, 3409..3657, 3410..3655, 3411..3656, 3897..3962, 3902..3961, 3903..3962		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o3.tc	Method	TBLASTX:Cress
Start	1391	End	4023
GI	none	Score	96
Exons	1391..1510, 2439..2501, 3409..3486, 3410..3478, 3411..3485, 3895..4008, 3897..4019, 3902..4021, 3902..4021, 3964..4023		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o5.ts	Method	TBLASTX:Soybean
Start	3897	End	4030
GI	none	Score	212
Exons	3897..4022, 3902..4021, 3902..4030		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-

Start	21119	End	22576
Name	OJ990709_02.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	6889	End	8832
GI	none	Score	75
Exons	6889..6975, 7891..8022, 7893..8021, 8017..8634, 8043..8633, 8638..8691, 8643..8750, 8688..8831, 8689..8832		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	7891	End	10167
GI	none	Score	35
Exons	7891..7941, 7960..8832, 7987..8169, 7989..8816, 9382..9480, 9383..9484, 10021..10167, 10026..10163		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o4.ts	Method	TBLASTX:Soybean
Start	10011	End	10163
GI	none	Score	256
Exons	10011..10154, 10012..10161, 10014..10163		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o4.tm	Method	TBLASTX:Maize
Start	12248	End	12811
GI	none	Score	196
Exons	12248..12415, 12253..12444, 12258..12443, 12557..12652, 12563..12652, 12564..12653, 12570..12656, 12571..12657, 12772..12804, 12774..12800, 12776..12811, 12777..12806		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o6.ts	Method	TBLASTX:Soybean
Start	12261	End	12620
GI	none	Score	131
Exons	12261..12443, 12265..12444, 12563..12619, 12567..12620		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	15219	End	17905
GI	none	Score	141
Exons	15219..15353, 15225..15353, 15229..15354, 15418..15528, 15430..15525, 15431..15529, 15512..15568, 16186..16323, 16222..16320, 16223..16393, 16405..16503, 16413..16523, 16413..16520, 16415..16522, 16624..16713, 16643..16714, 16644..16715, 16647..16715, 17043..17135, 17043..17156, 17044..17157, 17747..17905, 17757..17840		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-

Start	21119	End	22576
Name	OJ990709_02.0207.C6.o3.ts	Method	TBLASTX:Soybean
Start	15220	End	15539
GI	none	Score	117
Exons	15220..15354, 15222..15353, 15433..15525, 15434..15532, 15435..15530, 15459..15539		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o5.tm	Method	TBLASTX:Maize
Start	18937	End	19233
GI	none	Score	242
Exons	18937..19233, 18955..19095, 18957..19145		

Seq. No.	38393	Seq. ID	OJ990709_02.0207.C6
Gene No.	78913	Strand	-
Start	21119	End	22576
Name	OJ990709_02.0207.C6.o5.gs	Method	GENSCAN
Start	21119	End	22576
GI	none	Score	.78
Exons	21119..21313, 21585..21664, 22420..22576		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78914	Strand	+
Start	4096	End	18535
Name	OJ990709_02.0207.C7.o2.gs	Method	GENSCAN
Start	4096	End	10963
GI	none	Score	.5
Exons	4096..4114, 4270..4316, 4415..4501, 4720..4926, 4980..5166, 5293..5358, 5426..5842, 6081..6215, 6258..6658, 6773..7363, 7427..9343, 9410..10029, 10147..10963		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78914	Strand	+
Start	4096	End	18535
Name	OJ990709_02.0207.C7.o1.np	Method	AAT/NAP
Start	5503	End	10960
GI	6498441	Score	7201
Exons	5503..6569, 6900..7363, 7427..7800, 7984..8118, 8293..9016, 9188..10585, 10679..10960		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78914	Strand	+
Start	4096	End	18535
Name	OJ990709_02.0207.C7.o2.np	Method	AAT/NAP
Start	8608	End	17653
GI	5852180	Score	512
Exons	8608..8631, 11944..12064, 12116..12520, 13224..13292, 17624..17653		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78914	Strand	+

Start	4096	End	18535
Name	OJ990709_02.0207.C7.o4.np	Method	AAT/NAP
Start	15534	End	18535
GI	5852180	Score	46
Exons	15534..15581, 17455..17525, 18487..18535		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78914	Strand	+
Start	4096	End	18535
Name	OJ990709_02.0207.C7.o5.np	Method	AAT/NAP
Start	15878	End	17826
GI	4680186	Score	241
Exons	15878..15897, 17622..17826		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78915	Strand	-
Start	30	End	837
Name	OJ990709_02.0207.C7.o1.gs	Method	GENSCAN
Start	30	End	762
GI	none	Score	.45
Exons	30..283, 403..762		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78915	Strand	-
Start	30	End	837
Name	OJ990709_02.0207.C7.o1.gp	Method	AAT/GAP
Start	498	End	837
GI	2312354	Score	555
Exons	498..837		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78916	Strand	-
Start	10628	End	16163
Name	OJ990709_02.0207.C7.o3.np	Method	AAT/NAP
Start	10628	End	16163
GI	4680179	Score	593
Exons	10628..10675, 11108..11190, 14897..15141, 15304..16163		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78916	Strand	-
Start	10628	End	16163
Name	OJ990709_02.0207.C7.o3.gs	Method	GENSCAN
Start	12027	End	13987
GI	none	Score	.48
Exons	12027..12503, 13449..13490, 13928..13987		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	274
GI	none	Score	307
Exons	2..274		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o1.ts	Method	TBLASTX:Soybean
Start	8	End	394
GI	none	Score	35
Exons	8..61, 68..319, 359..394		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	80	End	394
GI	none	Score	230
Exons	80..325, 105..326, 350..394		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o6.tw	Method	TBLASTX:Wheat
Start	5656	End	6045
GI	none	Score	54
Exons	5656..5700, 5707..5805, 5724..5813, 5772..6011, 5788..6045		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o6.tm	Method	TBLASTX:Maize
Start	5695	End	5943
GI	none	Score	196
Exons	5695..5943, 5697..5942		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o3.tw	Method	TBLASTX:Wheat
Start	6788	End	7270
GI	none	Score	395
Exons	6788..7270, 6796..6957, 6979..7239		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o1.tw	Method	TBLASTX:Wheat
Start	7434	End	7897
GI	none	Score	213
Exons	7434..7877, 7435..7890, 7436..7897, 7436..7891		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o2.tm	Method	TBLASTX:Maize
Start	7565	End	7921
GI	none	Score	381
Exons	7565..7921, 7600..7911, 7805..7921		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7

Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o3.tm	Method	TBLASTX:Maize
Start	7948	End	8332
GI	none	Score	367
Exons	7948..8313, 7949..8332		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o2.tw	Method	TBLASTX:Wheat
Start	8005	End	8425
GI	none	Score	497
Exons	8005..8400, 8006..8425		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o2.ts	Method	TBLASTX:Soybean
Start	8084	End	8455
GI	none	Score	280
Exons	8084..8455, 8101..8235		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o5.tw	Method	TBLASTX:Wheat
Start	8864	End	9322
GI	none	Score	223
Exons	8864..9118, 8888..9139, 8956..9138, 9173..9322, 9182..9307, 9184..9321		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o4.tm	Method	TBLASTX:Maize
Start	9830	End	10162
GI	none	Score	351
Exons	9830..10153, 9859..10140, 9950..10162		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o4.tw	Method	TBLASTX:Wheat
Start	9967	End	16434
GI	none	Score	358
Exons	9967..10317, 9968..10348, 16281..16340, 16348..16434		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o8.tw	Method	TBLASTX:Wheat
Start	10349	End	10951
GI	none	Score	265
Exons	10349..10633, 10354..10632, 10825..10947, 10826..10951		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7

Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o7.tm	Method	TBLASTX:Maize
Start	10820	End	10963
GI	none	Score	184
Exons	10820..10963, 10825..10959		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o5.tm	Method	TBLASTX:Maize
Start	15378	End	15680
GI	none	Score	71
Exons	15378..15680, 15577..15666		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o7.tw	Method	TBLASTX:Wheat
Start	15561	End	15920
GI	none	Score	164
Exons	15561..15920, 15565..15918		

Seq. No.	38394	Seq. ID	OJ990709_02.0207.C7
Gene No.	78917	Strand	-
Start	17374	End	17755
Name	OJ990709_02.0207.C7.o2.gp	Method	AAT/GAP
Start	17374	End	17755
GI	uC-osflcyp033a04b1	Score	667
Exons	17374..17755		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38395	Seq. ID	OJ990709_02.0207.C8
Gene No.	78918	Strand	+
Start	1238	End	3191
Name	OJ990709_02.0207.C8.o2.np	Method	AAT/NAP
Start	1238	End	3191
GI	4680186	Score	225
Exons	1238..1259, 2987..3191		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38395	Seq. ID	OJ990709_02.0207.C8
Gene No.	78919	Strand	-
Start	1	End	5028
Name	OJ990709_02.0207.C8.o1.np	Method	AAT/NAP
Start	1	End	2023
GI	6907089	Score	2314
Exons	1..1800, 1904..2023		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38395	Seq. ID	OJ990709_02.0207.C8
Gene No.	78919	Strand	-
Start	1	End	5028
Name	OJ990709_02.0207.C8.o1.gs	Method	GENSCAN
Start	38	End	4931
GI	none	Score	.74

Exons	38..290, 392..1800, 1904..2062, 3602..3683, 3746..3856, 4112..4218, 4224..4444, 4450..4878, 4888..4931		
Seq. No.	38395	Seq. ID	OJ990709_02.0207.C8
Gene No.	78919	Strand	-
Start	1	End	5028
Name	OJ990709_02.0207.C8.o1.gp	Method	AAT/GAP
Start	2736	End	3120
GI	uC-osflcyp033a04b1	Score	674
Exons	2736..3120		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38395	Seq. ID	OJ990709_02.0207.C8
Gene No.	78919	Strand	-
Start	1	End	5028
Name	OJ990709_02.0207.C8.o3.np	Method	AAT/NAP
Start	3582	End	5028
GI	6907087	Score	934
Exons	3582..3683, 4224..5028		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78920	Strand	+
Start	215	End	693
Name	OJ990709_02.0207.C9.o1.gs	Method	GENSCAN
Start	215	End	693
GI	none	Score	.54
Exons	215..271, 631..693		

Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78921	Strand	+
Start	6014	End	7457
Name	OJ990709_02.0207.C9.o4.np	Method	AAT/NAP
Start	6014	End	7457
GI	6907088	Score	1031
Exons	6014..6150, 6326..6563, 7063..7457		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78921	Strand	+
Start	6014	End	7457
Name	OJ990709_02.0207.C9.o2.gp	Method	AAT/GAP
Start	6824	End	7016
GI	5667165	Score	353
Exons	6824..7016		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78922	Strand	+
Start	7442	End	7928
Name	OJ990709_02.0207.C9.o5.np	Method	AAT/NAP
Start	7442	End	7928
GI	5734635	Score	173

Exons	7442..7570, 7622..7928		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	2428308	Score	190
Exons	1..107		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-14 Oryza sativa DNA, centromere sequence RCB11		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o1.np	Method	AAT/NAP
Start	1	End	1925
GI	5803259	Score	1727
Exons	1..111, 286..359, 790..1925		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o2.np	Method	AAT/NAP
Start	1	End	4632
GI	4680179	Score	432
Exons	1..75, 922..1005, 2156..2269, 2835..3418, 4506..4632		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	2844	End	3122
GI	none	Score	220
Exons	2844..3122		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	3003	End	3380
GI	none	Score	262
Exons	3003..3380		
Seq. No.	38396	Seq. ID	OJ990709_02.0207.C9
Gene No.	78923	Strand	-
Start	1	End	4871
Name	OJ990709_02.0207.C9.o3.np	Method	AAT/NAP
Start	4090	End	4871
GI	6002794	Score	1252
Exons	4090..4871		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10

Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.np	Method	AAT/NAP
Start	253	End	2244
GI	4680179	Score	2432
Exons	253..2244		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.gs	Method	GENSCAN
Start	282	End	2234
GI	none	Score	.92
Exons	282..515, 525..2234		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o4.tw	Method	TBLASTX:Wheat
Start	297	End	630
GI	none	Score	155
Exons	297..629, 318..590, 520..630		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o4.tm	Method	TBLASTX:Maize
Start	312	End	470
GI	none	Score	55
Exons	312..470, 314..397		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	480	End	1077
GI	none	Score	49
Exons	480..575, 480..917, 490..915, 924..1076, 925..1077	648..917, 915..1073, 922..1068,	

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	630	End	1256
GI	none	Score	325
Exons	630..1256, 631..1200		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o3.tm	Method	TBLASTX:Maize
Start	1125	End	1415
GI	none	Score	121
Exons	1125..1415, 1128..1343, 1129..1404		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	1215	End	1470
GI	none	Score	71
Exons	1215..1343, 1215..1463, 1216..1470		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	1239	End	1556
GI	none	Score	98
Exons	1239..1382, 1255..1380, 1383..1535, 1383..1556		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o3.tw	Method	TBLASTX:Wheat
Start	1263	End	1787
GI	none	Score	258
Exons	1263..1787, 1267..1635		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o2.tm	Method	TBLASTX:Maize
Start	1830	End	2183
GI	none	Score	71
Exons	1830..2183, 1835..2161, 1882..2181		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o2.tw	Method	TBLASTX:Wheat
Start	1830	End	2244
GI	none	Score	114
Exons	1830..2243, 1832..2194, 1845..2198, 1867..2244		

Seq. No.	38397	Seq. ID	OJ990709_02.0207.C10
Gene No.	78924	Strand	-
Start	253	End	2244
Name	OJ990709_02.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	2004	End	2243
GI	none	Score	210
Exons	2004..2243		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78925	Strand	+
Start	11599	End	14068
Name	OJ990709_02.0207.C11.o4.gs	Method	GENSCAN
Start	11599	End	14049
GI	none	Score	.66
Exons	11599..11711, 11756..12151, 12659..12737, 12843..12965, 13933..14049		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78925	Strand	+
Start	11599	End	14068
Name	OJ990709_02.0207.C11.o1.gp	Method	AAT/GAP
Start	11600	End	14068
GI	359_1.R1084	Score	1607
Exons	11600..12151, 12659..12737, 12843..12965, 13933..14068		
GI Descrip.	'2828296/emb|CAA16710.1| 4.0e-53 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]'		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78925	Strand	+
Start	11599	End	14068
Name	OJ990709_02.0207.C11.o3.np	Method	AAT/NAP
Start	11734	End	14068
GI	1519253	Score	1112
Exons	11734..12151, 12659..12737, 12843..12965, 13933..14068		
GI Descrip.	(U65958) GF14-d protein [Oryza sativa]		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o1.np	Method	AAT/NAP
Start	1	End	8726
GI	4680179	Score	1509
Exons	1..1331, 1434..1565, 1801..1846, 8708..8726		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o6.tm	Method	TBLASTX:Maize
Start	1	End	198
GI	none	Score	187
Exons	1..198		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o2.ts	Method	TBLASTX:Soybean
Start	1	End	327
GI	none	Score	107
Exons	1..291, 2..175, 215..310, 295..327, 295..327		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o4.tw	Method	TBLASTX:Wheat
Start	1	End	219
GI	none	Score	128
Exons	1..219, 2..175, 4..219		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o1.gs	Method	GENSCAN
Start	82	End	1650

GI	none	Score	.52
Exons	82..1650		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	214	End	681
GI	none	Score	133
Exons	214..681, 251..610		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o3.tc	Method	TBLASTX:Cress
Start	232	End	622
GI	none	Score	61
Exons	232..621, 446..622		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	268	End	751
GI	none	Score	193
Exons	268..750, 277..723, 296..751		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o5.tm	Method	TBLASTX:Maize
Start	682	End	879
GI	none	Score	148
Exons	682..879, 683..829		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o3.tw	Method	TBLASTX:Wheat
Start	892	End	1296
GI	none	Score	80
Exons	892..1044, 947..1066, 1075..1296, 1142..1255, 1243..1296		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o3.tm	Method	TBLASTX:Maize
Start	979	End	1317
GI	none	Score	204
Exons	979..1317		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o2.np	Method	AAT/NAP
Start	7944	End	9472
GI	4585708	Score	274

Exons	7944..8134, 8898..9023, 9162..9200, 9355..9472		
GI Descrip.	(AJ238117) putative phospholipase A2 [Oryza sativa]		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o3.gs	Method	GENSCAN
Start	7953	End	9460
GI	none	Score	.94
Exons	7953..8134, 8898..9023, 9150..9198, 9323..9460		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o4.tm	Method	TBLASTX:Maize
Start	7959	End	9030
GI	none	Score	53
Exons	7959..8054, 7966..8055, 8079..8135, 8111..8146, 8890..9030, 8912..9025		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o2.tc	Method	TBLASTX:Cress
Start	7977	End	9025
GI	none	Score	132
Exons	7977..8054, 8088..8144, 8884..9018, 8885..9025		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78926	Strand	-
Start	1	End	9472
Name	OJ990709_02.0207.C11.o3.ts	Method	TBLASTX:Soybean
Start	8879	End	9030
GI	none	Score	145
Exons	8879..9025, 8881..9030		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78927	Strand	
Start	11744	End	14051
Name	OJ990709_02.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	11744	End	14051
GI	none	Score	73
Exons	11744..11824, 11745..11792, 11865..12152, 11871..11912, 11897..12154, 12633..12737, 12656..12742, 12656..12739, 12840..12965, 12840..12965, 12842..12976, 13931..14047, 13932..14048, 13933..14049, 13960..14049, 13992..14051		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78927	Strand	
Start	11744	End	14051
Name	OJ990709_02.0207.C11.o2.tw	Method	TBLASTX:Wheat
Start	11744	End	12154
GI	none	Score	62
Exons	11744..11824, 11745..11792, 11868..12152, 11897..12154		
Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78927	Strand	

Start	11744	End	14051
Name	OJ990709_02.0207.C11.o1.ts	Method	TBLASTX:Soybean
Start	11745	End	14051
GI	none	Score	55
Exons	11745..11792, 11756..11824, 11865..12152, 11871..11912, 11897..12154, 12633..12737, 12649..12738, 12656..12742, 12656..12739, 12839..12907, 12840..12965, 12840..12965, 12842..12976, 13930..14043, 13932..14042, 13933..14043, 13992..14051		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78927	Strand	
Start	11744	End	14051
Name	OJ990709_02.0207.C11.o1.tc	Method	TBLASTX:Cress
Start	11751	End	14051
GI	none	Score	53
Exons	11751..11792, 11756..11824, 11865..12152, 11897..12154, 12633..12737, 12647..12742, 12656..12739, 12840..12965, 12840..12965, 12842..12976, 13930..14034, 13933..14049, 13992..14051		

Seq. No.	38398	Seq. ID	OJ990709_02.0207.C11
Gene No.	78927	Strand	
Start	11744	End	14051
Name	OJ990709_02.0207.C11.o5.tw	Method	TBLASTX:Wheat
Start	12832	End	14043
GI	none	Score	199
Exons	12832..12912, 12840..12965, 12842..12958, 13930..14034, 13931..14038, 13932..14042, 13933..14043, 13992..14042		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78928	Strand	+
Start	639	End	754
Name	OJ990709_02.0207.C12.o1.gs	Method	GENSCAN
Start	639	End	754
GI	none	Score	.43
Exons	639..754		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78929	Strand	+
Start	1212	End	2341
Name	OJ990709_02.0207.C12.o2.gp	Method	AAT/GAP
Start	1212	End	2341
GI	1548_1.R1084	Score	2203
Exons	1212..2341		
GI Descrip.	'3004565 1.0e-119 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78930	Strand	+
Start	5016	End	5715
Name	OJ990709_02.0207.C12.o3.gs	Method	GENSCAN
Start	5016	End	5715
GI	none	Score	.53
Exons	5016..5387, 5402..5715		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12

Gene No.	78931	Strand	-
Start	1	End	119
Name	OJ990709_02.0207.C12.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	359_1.R1084	Score	217
Exons	1..119		
GI Descrip.	'2828296/emb|CAA16710.1| 4.0e-53 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]'		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	1414	End	2400
GI	none	Score	154
Exons	1414..1713, 1435..1722, 1451..1723, 1541..1723, 1552..1626, 1555..1626, 1651..1716, 1711..2289, 1712..2290, 1891..2055, 2125..2400, 2206..2331		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o2.gs	Method	GENSCAN
Start	1414	End	4300
GI	none	Score	.6
Exons	1414..3001, 4122..4300		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o1.np	Method	AAT/NAP
Start	1417	End	5772
GI	6553891	Score	2309
Exons	1417..3001, 5654..5772		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o1.tc	Method	TBLASTX:Cress
Start	1420	End	2325
GI	none	Score	165
Exons	1420..1701, 1420..1716, 1460..1717, 1541..1717, 1708..1770, 1770..1841, 1891..2055, 2206..2325		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	1552	End	2400
GI	none	Score	578
Exons	1552..1671, 1777..2385, 1778..2392, 2125..2400, 2127..2393		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o2.tc	Method	TBLASTX:Cress

Start	2326	End	2562
GI	none	Score	139
Exons	2326..2490, 2330..2443, 2330..2491, 2486..2539, 2491..2541, 2494..2562, 2495..2557		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	2404	End	5760
GI	none	Score	43
Exons	2404..2460, 2410..2445, 2464..2652, 2489..2650, 2728..3000, 2759..3001, 5645..5731, 5656..5760		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o2.ts	Method	TBLASTX:Soybean
Start	2447	End	5763
GI	none	Score	52
Exons	2447..2653, 2448..2513, 2452..2661, 2488..2670, 2489..2677, 2716..2997, 2719..3000, 2720..3001, 5624..5731, 5656..5763		

Seq. No.	38399	Seq. ID	OJ990709_02.0207.C12
Gene No.	78932	Strand	-
Start	1414	End	5772
Name	OJ990709_02.0207.C12.o3.gp	Method	AAT/GAP
Start	2449	End	3010
GI	8275_1.R1084	Score	1101
Exons	2449..3010		
GI Descrip.	'3004565 2.0e-36 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38400	Seq. ID	OJ990709_02.0207.C13
Gene No.	78933	Strand	+
Start	161	End	194
Name	OJ990709_02.0207.C13.o1.gs	Method	GENSCAN
Start	161	End	194
GI	none	Score	.46
Exons	161..194		

Seq. No.	38401	Seq. ID	OJ990709_02.0207.C14
Gene No.	78934	Strand	+
Start	415	End	2837
Name	OJ990709_02.0207.C14.o1.gs	Method	GENSCAN
Start	415	End	2837
GI	none	Score	.47
Exons	415..417, 633..955, 1065..1203, 1865..2110, 2739..2837		

Seq. No.	38401	Seq. ID	OJ990709_02.0207.C14
Gene No.	78935	Strand	-
Start	3571	End	3704
Name	OJ990709_02.0207.C14.o2.gs	Method	GENSCAN
Start	3571	End	3704
GI	none	Score	.44
Exons	3571..3704		

Seq. No.	38402	Seq. ID	OJ990709_02.0207.C15
Gene No.	78936	Strand	+
Start	6	End	620
Name	OJ990709_02.0207.C15.o1.gs	Method	GENSCAN
Start	6	End	620
GI	none	Score	.76
Exons	6..620		

Seq. No.	38402	Seq. ID	OJ990709_02.0207.C15
Gene No.	78937	Strand	+
Start	908	End	1284
Name	OJ990709_02.0207.C15.o1.np	Method	AAT/NAP
Start	908	End	1284
GI	4234854	Score	314
Exons	908..1284		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	38403	Seq. ID	OJ990709_02.0207.C16
Gene No.	78938	Strand	+
Start	152	End	662
Name	OJ990709_02.0207.C16.o1.gp	Method	AAT/GAP
Start	152	End	662
GI	38782_1.R1084	Score	838
Exons	152..662		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	38403	Seq. ID	OJ990709_02.0207.C16
Gene No.	78938	Strand	+
Start	152	End	662
Name	OJ990709_02.0207.C16.o1.gs	Method	GENSCAN
Start	286	End	359
GI	none	Score	.75
Exons	286..359		

Seq. No.	38404	Seq. ID	OJ990709_02.0207.C17
Gene No.	78939	Strand	+
Start	1	End	705
Name	OJ990709_02.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	705
GI	5042454	Score	676
Exons	1..119, 173..705		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38404	Seq. ID	OJ990709_02.0207.C17
Gene No.	78939	Strand	+
Start	1	End	705
Name	OJ990709_02.0207.C17.o1.gs	Method	GENSCAN
Start	189	End	694
GI	none	Score	.68
Exons	189..562, 579..694		

Seq. No.	38405	Seq. ID	OJ990909_05.0223.C1
Gene No.	78940	Strand	+
Start	139	End	1703
Name	OJ990909_05.0223.C1.o1.np	Method	AAT/NAP
Start	139	End	1703

GI	6907086	Score	984
Exons	139..925, 985..1154, 1383..1492, 1615..1703		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38405	Seq. ID	OJ990909_05.0223.C1
Gene No.	78940	Strand	+
Start	139	End	1703
Name	OJ990909_05.0223.C1.o1.gs	Method	GENSCAN
Start	474	End	1620
GI	none	Score	.74
Exons	474..758, 1038..1154, 1438..1620		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78941	Strand	+
Start	1899	End	6076
Name	OJ990909_05.0223.C2.o2.gs	Method	GENSCAN
Start	1899	End	6076
GI	none	Score	.47
Exons	1899..2152, 2335..2492, 2627..2720, 2981..3042, 3325..3386, 3412..3600, 3602..3792, 4251..4371, 6062..6076		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78942	Strand	+
Start	9376	End	12577
Name	OJ990909_05.0223.C2.o1.np	Method	AAT/NAP
Start	9376	End	12574
GI	6907089	Score	4259
Exons	9376..10636, 10740..12574		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78942	Strand	+
Start	9376	End	12577
Name	OJ990909_05.0223.C2.o4.gs	Method	GENSCAN
Start	9376	End	12577
GI	none	Score	.44
Exons	9376..11911, 12156..12577		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78943	Strand	-
Start	7018	End	8288
Name	OJ990909_05.0223.C2.o3.gs	Method	GENSCAN
Start	7018	End	8288
GI	none	Score	.5
Exons	7018..7112, 7593..7763, 8249..8288		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677
Name	OJ990909_05.0223.C2.o2.tm	Method	TBLASTX:Maize
Start	13199	End	13342
GI	none	Score	126
Exons	13199..13342, 13203..13337		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677

Name	OJ990909_05.0223.C2.o5.gs	Method	GENSCAN
Start	13199	End	14590
GI	none	Score	.59
Exons	13199..14590		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677
Name	OJ990909_05.0223.C2.o2.np	Method	AAT/NAP
Start	13202	End	14677
GI	6498441	Score	2361
Exons	13202..13483, 13577..14677		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677
Name	OJ990909_05.0223.C2.o2.tw	Method	TBLASTX:Wheat
Start	13211	End	13813
GI	none	Score	77
Exons	13211..13336, 13215..13337, 13529..13813, 13530..13808		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677
Name	OJ990909_05.0223.C2.o1.tw	Method	TBLASTX:Wheat
Start	13814	End	14195
GI	none	Score	232
Exons	13814..14194, 13845..14195		

Seq. No.	38406	Seq. ID	OJ990909_05.0223.C2
Gene No.	78944	Strand	-
Start	13199	End	14677
Name	OJ990909_05.0223.C2.o1.tm	Method	TBLASTX:Maize
Start	13989	End	14332
GI	none	Score	213
Exons	13989..14138, 14009..14332, 14022..14288		

Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78945	Strand	-
Start	1	End	3277
Name	OJ990909_05.0223.C3.o1.np	Method	AAT/NAP
Start	1	End	3277
GI	6498441	Score	4024
Exons	1..491, 666..800, 984..1357, 1421..1882, 2213..3277		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o1.ts	Method	TBLASTX:Soybean
Start	329	End	700
GI	none	Score	90

Exons	329..700, 540..683		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o2.tw	Method	TBLASTX:Wheat
Start	354	End	779
GI	none	Score	327
Exons	354..779, 356..778		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o2.tm	Method	TBLASTX:Maize
Start	452	End	836
GI	none	Score	212
Exons	452..835, 471..836		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o1.tm	Method	TBLASTX:Maize
Start	863	End	1219
GI	none	Score	69
Exons	863..979, 863..1219, 873..1184		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o1.tw	Method	TBLASTX:Wheat
Start	887	End	1349
GI	none	Score	220
Exons	887..1348, 893..1348, 894..1349		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o2.ts	Method	TBLASTX:Soybean
Start	944	End	1309
GI	none	Score	117
Exons	944..1078, 1085..1309		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o3.tw	Method	TBLASTX:Wheat
Start	1514	End	1998
GI	none	Score	37
Exons	1514..1633, 1545..1610, 1632..1997, 1642..1803, 1825..1998		
Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o4.tw	Method	TBLASTX:Wheat
Start	2737	End	3125
GI	none	Score	76
Exons	2737..2961, 2738..2926, 2911..3000, 2952..2993, 2976..3074,		

2977..3057, 3081..3125

Seq. No.	38407	Seq. ID	OJ990909_05.0223.C3
Gene No.	78946	Strand	-
Start	4008	End	4434
Name	OJ990909_05.0223.C3.o2.np	Method	AAT/NAP
Start	4008	End	4434
GI	5042454	Score	76
Exons	4008..4061, 4357..4434		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78947	Strand	+
Start	8263	End	16396
Name	OJ990909_05.0223.C5.o1.np	Method	AAT/NAP
Start	8251	End	13428
GI	5734721	Score	1517
Exons	8251..8353, 9681..10130, 10168..10503, 12534..13428		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78947	Strand	+
Start	8263	End	16396
Name	OJ990909_05.0223.C5.o3.gs	Method	GENSCAN
Start	8263	End	16396
GI	none	Score	.6
Exons	8263..8353, 9681..10503, 12534..13424, 14973..15050, 15337..15466, 16027..16100, 16135..16396		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78947	Strand	+
Start	8263	End	16396
Name	OJ990909_05.0223.C5.o2.gp	Method	AAT/GAP
Start	12660	End	13054
GI	2428246	Score	717
Exons	12660..13054		
GI Descrip.	1495366/emb|CAA93316| 3.0e-32 (Z69370) nitrite transporter [Cucumis sativus]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78947	Strand	+
Start	8263	End	16396
Name	OJ990909_05.0223.C5.o3.gp	Method	AAT/GAP
Start	13146	End	13741
GI	6012833	Score	555
Exons	13146..13450, 13591..13741		
GI Descrip.	1495366/emb|CAA93316| 7.0e-16 (Z69370) nitrite transporter [Cucumis sativus]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78948	Strand	+
Start	19167	End	20382
Name	OJ990909_05.0223.C5.o4.gp	Method	AAT/GAP
Start	19167	End	20382

GI	1254_1.R1084	Score	2374
Exons	19167..20382		
GI Descrip.	'4190952/dbj|BAA74434| 1.0e-49 (AB022689) similar to hsr203J [Lycopersicon esculentum]'		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78949	Strand	+
Start	21936	End	22729
Name	OJ990909_05.0223.C5.o6.gp	Method	AAT/GAP
Start	21936	End	22729
GI	4901631	Score	1135
Exons	21936..22529, 22684..22729		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78950	Strand	+
Start	28783	End	29404
Name	OJ990909_05.0223.C5.o7.gp	Method	AAT/GAP
Start	28783	End	29404
GI	none	Score	1175
Exons	28783..29404		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78951	Strand	-
Start	19705	End	20852
Name	OJ990909_05.0223.C5.o4.gs	Method	GENSCAN
Start	19705	End	20793
GI	none	Score	1
Exons	19705..20793		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78951	Strand	-
Start	19705	End	20852
Name	OJ990909_05.0223.C5.o2.np	Method	AAT/NAP
Start	19708	End	20727
GI	4190952	Score	834
Exons	19708..20727		
GI Descrip.	(AB022689) similar to hsr203J [Lycopersicon esculentum]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78951	Strand	-
Start	19705	End	20852
Name	OJ990909_05.0223.C5.o5.gp	Method	AAT/GAP
Start	20424	End	20852
GI	43625_1.R1084	Score	807
Exons	20424..20852		
GI Descrip.	'542058/pir||S42807 1.0e-21 HSR203J protein - common tobacco >gi_444002_emb_CAA54393_ (X77136) HSR203J [Nicotiana tabacum]'		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78952	Strand	-
Start	23914	End	24830
Name	OJ990909_05.0223.C5.o3.np	Method	AAT/NAP
Start	23914	End	24830
GI	6907106	Score	309
Exons	23914..24052, 24164..24830		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o6.tm	Method	TBLASTX:Maize
Start	3659	End	3857
GI	none	Score	186
Exons	3659..3820, 3660..3857		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o1.tc	Method	TBLASTX:Cress
Start	9674	End	13344
GI	none	Score	190
Exons	9674..9904, 9980..10069, 10160..10495, 10228..10422, 12532..12738, 12597..12734, 12760..13008, 12765..12956, 13002..13199, 13003..13227, 13228..13344		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o1.ts	Method	TBLASTX:Soybean
Start	9674	End	13404
GI	none	Score	293
Exons	9674..9904, 9679..9954, 9974..10072, 9988..10095, 10156..10482, 10160..10498, 12588..13202, 12589..13239, 13240..13404		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o3.tm	Method	TBLASTX:Maize
Start	10028	End	10489
GI	none	Score	76
Exons	10028..10072, 10030..10095, 10117..10482, 10160..10483, 10316..10489		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o2.tm	Method	TBLASTX:Maize
Start	12568	End	13344
GI	none	Score	290
Exons	12568..12978, 12597..12740, 12837..12953, 12958..13344, 13005..13070		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o2.tw	Method	TBLASTX:Wheat
Start	13021	End	13344
GI	none	Score	162
Exons	13021..13224, 13023..13223, 13228..13344		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964

Name	OJ990909_05.0223.C5.o4.tm	Method	TBLASTX:Maize
Start	19679	End	19905
GI	none	Score	196
Exons	19679..19813, 19705..19905, 19708..19899, 19709..19900		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o2.ts	Method	TBLASTX:Soybean
Start	19963	End	20715
GI	none	Score	68
Exons	19963..20064, 19963..20001, 19964..20005, 20000..20086, 20071..20163, 20072..20167, 20165..20242, 20170..20259, 20296..20511, 20435..20485, 20563..20715, 20590..20628, 20642..20695		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o1.tm	Method	TBLASTX:Maize
Start	20131	End	20718
GI	none	Score	285
Exons	20131..20367, 20132..20491, 20230..20502, 20428..20502, 20524..20715, 20524..20718		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o1.tw	Method	TBLASTX:Wheat
Start	20524	End	20718
GI	none	Score	39
Exons	20524..20556, 20524..20559, 20554..20712, 20554..20718		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o6.gs	Method	GENSCAN
Start	29578	End	29964
GI	none	Score	.65
Exons	29578..29964		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o3.ts	Method	TBLASTX:Soybean
Start	29581	End	29964
GI	none	Score	231
Exons	29581..29964		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o5.tm	Method	TBLASTX:Maize
Start	29614	End	29949
GI	none	Score	257
Exons	29614..29949		

Seq. No.	38408	Seq. ID	OJ990909_05.0223.C5
Gene No.	78953	Strand	-
Start	29578	End	29964
Name	OJ990909_05.0223.C5.o2.tc	Method	TBLASTX:Cress
Start	29617	End	29950
GI	none	Score	126
Exons	29617..29949, 29618..29950		

Seq. No.	38409	Seq. ID	OJ990909_05.0223.C6
Gene No.	78954	Strand	-
Start	93	End	370
Name	OJ990909_05.0223.C6.o1.gs	Method	GENSCAN
Start	93	End	320
GI	none	Score	.83
Exons	93..320		

Seq. No.	38409	Seq. ID	OJ990909_05.0223.C6
Gene No.	78954	Strand	-
Start	93	End	370
Name	OJ990909_05.0223.C6.o1.tm	Method	TBLASTX:Maize
Start	94	End	308
GI	none	Score	81
Exons	94..186, 95..187, 105..308, 159..308		

Seq. No.	38409	Seq. ID	OJ990909_05.0223.C6
Gene No.	78954	Strand	-
Start	93	End	370
Name	OJ990909_05.0223.C6.o1.np	Method	AAT/NAP
Start	104	End	370
GI	5734721	Score	132
Exons	104..370		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78955	Strand	+
Start	67	End	657
Name	OJ990909_05.0223.C7.o1.gs	Method	GENSCAN
Start	67	End	657
GI	none	Score	.88
Exons	67..121, 584..657		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78956	Strand	+
Start	2112	End	4157
Name	OJ990909_05.0223.C7.o1.np	Method	AAT/NAP
Start	2092	End	4121
GI	5734721	Score	1451
Exons	2092..2196, 2329..3118, 3233..4121		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7

Gene No.	78956	Strand	+
Start	2112	End	4157
Name	OJ990909_05.0223.C7.o2.gs	Method	GENSCAN
Start	2112	End	4157
GI	none	Score	.53
Exons	2112..2196, 2266..3193, 3233..4157		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o2.tm	Method	TBLASTX:Maize
Start	2154	End	8414
GI	none	Score	65
Exons	2154..2201, 2156..2209, 2324..2443, 2324..2449, 2325..2450, 2429..2542, 2463..2546, 6105..6161, 6105..6215, 6106..6216, 6183..6326, 6202..6327, 6217..6327, 8351..8410, 8352..8414		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o1.ts	Method	TBLASTX:Soybean
Start	2165	End	6324
GI	none	Score	313
Exons	2165..2191, 2321..2518, 2328..2591, 2631..2747, 2648..2737, 2772..3119, 2774..3031, 3287..3502, 3288..3596, 3540..3902, 3687..3899, 3710..3904, 3933..4046, 4601..4741, 4742..5050, 4791..4970, 4976..5407, 5079..5450, 5529..5612, 5598..5870, 5665..5688, 5713..5838, 5844..6035, 5947..6057, 6037..6324, 6096..6323		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o1.tc	Method	TBLASTX:Cress
Start	2331	End	6320
GI	none	Score	207
Exons	2331..2591, 2637..2741, 2654..2740, 2772..3110, 2786..3031, 3231..3437, 3453..3596, 3699..3899, 3707..3898, 3921..4010, 4637..4753, 4754..4981, 4755..4982, 4988..5227, 5246..5452, 5250..5447, 5538..5600, 5598..5870, 5713..5802, 5913..6029, 6058..6318, 6099..6320		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o1.tm	Method	TBLASTX:Maize
Start	2649	End	6029
GI	none	Score	88
Exons	2649..2741, 2678..2740, 2843..3031, 2847..3119, 3231..3446, 3453..3596, 3707..3898, 3708..3899, 3861..4037, 4637..4753, 4757..5083, 4796..4984, 4991..5227, 5187..5228, 5246..5452, 5319..5453, 5673..5804, 5913..6029		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o1.tw	Method	TBLASTX:Wheat

Start	3720	End	4960
GI	none	Score	150
Exons	3720..3899, 3722..3898, 3831..4037, 4637..4753, 4754..4960, 4757..4957		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o3.gs	Method	GENSCAN
Start	4544	End	8473
GI	none	Score	.89
Exons	4544..5450, 5530..6322, 6772..6787, 6833..6973, 6975..7085, 7199..7269, 8377..8473		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o2.np	Method	AAT/NAP
Start	4555	End	8473
GI	5734721	Score	1454
Exons	4555..5450, 5530..6322, 8377..8473		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38410	Seq. ID	OJ990909_05.0223.C7
Gene No.	78957	Strand	-
Start	4544	End	8473
Name	OJ990909_05.0223.C7.o1.gp	Method	AAT/GAP
Start	4907	End	5385
GI	uC-osflcyp155f02b1	Score	917
Exons	4907..5385		
GI Descrip.	'1495366/emb|CAA93316| 6.0e-47 (Z69370) nitrite transporter [Cucumis sativus]'		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78958	Strand	+
Start	329	End	4634
Name	OJ990909_05.0223.C8.o1.gs	Method	GENSCAN
Start	329	End	4634
GI	none	Score	.44
Exons	329..406, 607..713, 3063..3187, 3398..3490, 4081..4182, 4346..4447, 4560..4634		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78959	Strand	+
Start	5583	End	7601
Name	OJ990909_05.0223.C8.o1.np	Method	AAT/NAP
Start	5562	End	7535
GI	5734721	Score	1431
Exons	5562..5664, 5754..6567, 6641..7535		
GI Descrip.	(AC008075) Similar to gb|AF023472 peptide transporter from Hordeum vulgare and is a member of the PF|00854 Peptide transporter family. ESTs gb|T41927 and gb|AA395024 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78959	Strand	+
Start	5583	End	7601
Name	OJ990909_05.0223.C8.o2.gs	Method	GENSCAN
Start	5583	End	7601
GI	none	Score	1
Exons	5583..5664, 5754..6567, 6641..7601		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o1.ts	Method	TBLASTX:Soybean
Start	5586	End	7547
GI	none	Score	50
Exons	5586..5663, 5752..6027, 5753..6040, 6061..6171, 6062..6187, 6227..6562, 6290..6382, 6298..6471, 6641..6895, 6705..7013, 6723..7022, 7092..7346, 7095..7313, 7103..7318, 7347..7547		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o3.tm	Method	TBLASTX:Maize
Start	5628	End	5971
GI	none	Score	64
Exons	5628..5675, 5630..5677, 5701..5880, 5747..5893, 5860..5970, 5861..5971, 5891..5971		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o1.tc	Method	TBLASTX:Cress
Start	5756	End	7454
GI	none	Score	229
Exons	5756..6037, 5758..6060, 6053..6178, 6112..6174, 6230..6559, 6304..6462, 6639..6854, 6704..6841, 6861..7016, 7095..7334, 7106..7306, 7107..7307, 7323..7454		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	5987	End	7454
GI	none	Score	51
Exons	5987..6034, 6049..6174, 6053..6178, 6290..6565, 6304..6471, 6636..6845, 6638..6781, 6861..7016, 7095..7307, 7290..7454		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	7128	End	7454
GI	none	Score	148
Exons	7128..7307, 7130..7318, 7323..7454		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265

Name	OJ990909_05.0223.C8.o2.tm	Method	TBLASTX:Maize
Start	9448	End	9727
GI	none	Score	202
Exons	9448..9627, 9451..9618, 9452..9625, 9453..9626, 9604..9693, 9608..9691, 9626..9727		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o2.np	Method	AAT/NAP
Start	9458	End	11221
GI	5725436	Score	443
Exons	9458..9690, 10806..10849, 10926..11044, 11124..11221		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o2.ts	Method	TBLASTX:Soybean
Start	9479	End	11034
GI	none	Score	85
Exons	9479..9625, 9480..9578, 9604..9693, 9608..9691, 10923..11018, 10927..11034		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o2.tc	Method	TBLASTX:Cress
Start	9563	End	11265
GI	none	Score	61
Exons	9563..9625, 9604..9693, 9608..9694, 10826..10852, 10923..11018, 10927..11046, 11113..11265, 11120..11218		

Seq. No.	38411	Seq. ID	OJ990909_05.0223.C8
Gene No.	78960	Strand	-
Start	9458	End	11265
Name	OJ990909_05.0223.C8.o3.gs	Method	GENSCAN
Start	10920	End	11190
GI	none	Score	.64
Exons	10920..11044, 11124..11190		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78961	Strand	+
Start	928	End	14492
Name	OJ990909_05.0223.C9.o1.gs	Method	GENSCAN
Start	928	End	10763
GI	none	Score	.58
Exons	928..1084, 1350..1512, 1731..1866, 1961..2102, 2893..3433, 3807..3836, 4154..4174, 5507..5597, 5807..5932, 6670..6776, 7282..7358, 7540..7612, 7712..7801, 8157..8225, 8318..9287, 9418..10763		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78961	Strand	+
Start	928	End	14492
Name	OJ990909_05.0223.C9.o1.np	Method	AAT/NAP
Start	8841	End	14489

GI	6498441	Score	6994
Exons	8841..9906, 10237..10700, 10764..11137, 11321..11455, 11630..12056, 12249..12545, 12717..14114, 14208..14489		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78961	Strand	+
Start	928	End	14492
Name	OJ990909_05.0223.C9.o2.gs	Method	GENSCAN
Start	10827	End	14492
GI	none	Score	1
Exons	10827..14492		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o6.tw	Method	TBLASTX:Wheat
Start	8830	End	9382
GI	none	Score	34
Exons	8830..8865, 8990..9037, 9044..9142, 9049..9141, 9109..9348, 9125..9382		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o4.tm	Method	TBLASTX:Maize
Start	8995	End	9280
GI	none	Score	197
Exons	8995..9279, 9032..9280		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o3.tw	Method	TBLASTX:Wheat
Start	10121	End	16571
GI	none	Score	402
Exons	10121..10258, 10122..10607, 10316..10576, 16471..16518, 16494..16571		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	10772	End	11234
GI	none	Score	577
Exons	10772..11224, 10773..11234, 10773..11234		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	10812	End	11177
GI	none	Score	117
Exons	10812..11036, 11043..11177		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	10902	End	11258
GI	none	Score	387
Exons	10902..11258, 10937..11224, 11142..11258		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	11285	End	11669
GI	none	Score	363
Exons	11285..11650, 11286..11669		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	11342	End	15874
GI	none	Score	493
Exons	11342..11755, 11343..11762, 15797..15874		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	11421	End	11792
GI	none	Score	279
Exons	11421..11792, 11438..11581		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o5.tw	Method	TBLASTX:Wheat
Start	12289	End	12851
GI	none	Score	235
Exons	12289..12309, 12417..12668, 12432..12641, 12482..12667, 12702..12851, 12711..12848, 12713..12850		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o8.tw	Method	TBLASTX:Wheat
Start	12906	End	13166
GI	none	Score	186
Exons	12906..13166		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o3.tm	Method	TBLASTX:Maize
Start	13359	End	13682
GI	none	Score	359
Exons	13359..13682, 13388..13669		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o4.tw	Method	TBLASTX:Wheat
Start	13496	End	13877
GI	none	Score	370
Exons	13496..13552, 13497..13877, 13598..13846		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o7.tw	Method	TBLASTX:Wheat
Start	13878	End	14480
GI	none	Score	258
Exons	13878..14162, 13878..14294, 13880..14188, 14354..14476, 14355..14480		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o5.tm	Method	TBLASTX:Maize
Start	14349	End	14495
GI	none	Score	186
Exons	14349..14495, 14354..14488		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o3.gs	Method	GENSCAN
Start	15120	End	15569
GI	none	Score	.99
Exons	15120..15569		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o2.np	Method	AAT/NAP
Start	15123	End	18262
GI	6907089	Score	4693
Exons	15123..16905, 17001..18262		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38412	Seq. ID	OJ990909_05.0223.C9
Gene No.	78962	Strand	-
Start	15120	End	18262
Name	OJ990909_05.0223.C9.o4.gs	Method	GENSCAN
Start	15636	End	18262
GI	none	Score	.76
Exons	15636..17000, 17021..18262		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78963	Strand	+
Start	1	End	138
Name	OJ990909_05.0223.C10.o1.np	Method	AAT/NAP
Start	1	End	138
GI	5042454	Score	62
Exons	1..138		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78964	Strand	+
Start	85	End	195
Name	OJ990909_05.0223.C10.o1.gs	Method	GENSCAN
Start	85	End	195
GI	none	Score	.87
Exons	85..195		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78965	Strand	+
Start	6733	End	8394
Name	OJ990909_05.0223.C10.o3.gs	Method	GENSCAN
Start	6733	End	8394
GI	none	Score	.7
Exons	6733..6812, 7903..8016, 8138..8264, 8317..8394		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78966	Strand	+
Start	9337	End	9716
Name	OJ990909_05.0223.C10.o4.gs	Method	GENSCAN
Start	9337	End	9716
GI	none	Score	.85
Exons	9337..9419, 9491..9716		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o3.np	Method	AAT/NAP
Start	1	End	11671
GI	1695235	Score	83
Exons	1..51, 5603..5673, 9108..9386, 11501..11671		
GI Descrip.	(U41543) F46H5.6 gene product [Caenorhabditis elegans]		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o2.gs	Method	GENSCAN
Start	906	End	5628
GI	none	Score	.88
Exons	906..1373, 3481..3511, 3596..4193, 5505..5628		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o1.gp	Method	AAT/GAP
Start	2514	End	4091
GI	1428_1.R1084	Score	1936
Exons	2514..2754, 3259..3511, 3596..4091		
GI Descrip.	'2623310 2.0e-23 (AC002409) unknown protein [Arabidopsis thaliana] >gi_3402721 (AC004261) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803

Name	OJ990909_05.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	2654	End	4008
GI	none	Score	46
Exons	2654..2686, 2655..2684, 2657..2758, 2704..2766, 2705..2755, 3256..3348, 3256..3348, 3334..3453, 3346..3453, 3347..3469, 3454..3513, 3455..3514, 3564..3680, 3589..3777, 3594..3761, 3634..3774, 3774..4007, 3775..3969, 3775..4008		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o1.tw	Method	TBLASTX:Wheat
Start	3326	End	3816
GI	none	Score	34
Exons	3326..3349, 3326..3349, 3334..3513, 3346..3513, 3347..3514, 3583..3777, 3594..3773, 3650..3775, 3775..3813, 3778..3816, 3779..3814		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o1.ts	Method	TBLASTX:Soybean
Start	3454	End	4032
GI	none	Score	72
Exons	3454..3513, 3455..3514, 3589..3777, 3600..3761, 3634..3774, 3774..4031, 3775..3969, 3775..4032		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o2.np	Method	AAT/NAP
Start	3580	End	5616
GI	2623310	Score	400
Exons	3580..4193, 5505..5616		
GI Descrip.	(AC002409) unknown protein [Arabidopsis thaliana]		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o1.tc	Method	TBLASTX:Cress
Start	3800	End	5559
GI	none	Score	40
Exons	3800..3841, 3802..3843, 3910..4194, 3962..4192, 4072..4194, 5507..5557, 5509..5559		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o2.tm	Method	TBLASTX:Maize
Start	4009	End	5581
GI	none	Score	183
Exons	4009..4194, 4012..4194, 4013..4195, 5504..5548, 5506..5577, 5506..5577, 5507..5581		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803

Name	OJ990909_05.0223.C10.o2.ts	Method	TBLASTX:Soybean
Start	4033	End	5562
GI	none	Score	66
Exons	4033..4194, 4069..4194, 5509..5562		

Seq. No.	38413	Seq. ID	OJ990909_05.0223.C10
Gene No.	78967	Strand	-
Start	1	End	11803
Name	OJ990909_05.0223.C10.o6.gs	Method	GENSCAN
Start	11260	End	11803
GI	none	Score	.87
Exons	11260..11448, 11652..11803		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o1.np	Method	AAT/NAP
Start	493	End	2168
GI	2623309	Score	456
Exons	493..541, 705..2168		
GI Descrip.	(AC002409) putative TGACG-sequence-specific bZIP DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o1.gs	Method	GENSCAN
Start	570	End	4443
GI	none	Score	.58
Exons	570..652, 759..2293, 3974..4443		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o1.ts	Method	TBLASTX:Soybean
Start	1357	End	4412
GI	none	Score	214
Exons	1357..1530, 1374..1517, 1564..1599, 1603..1656, 1611..1670, 1770..1838, 2016..2129, 2017..2160, 2023..2160, 2230..2304, 3966..4025, 3970..4026, 4261..4371, 4303..4410, 4332..4412		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o4.tm	Method	TBLASTX:Maize
Start	1832	End	2154
GI	none	Score	43
Exons	1832..1897, 1836..1886, 1837..1914, 1900..2001, 1921..2010, 1929..2009, 1975..2118, 1988..2104, 1993..2121, 2009..2146, 2108..2143, 2119..2154, 2119..2151		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o1.gp	Method	AAT/GAP
Start	1914	End	2314
GI	LIB3434-038-P1-K1-D11	Score	648

Exons	1914..2314		
GI Descrip.	'2623309 3.0e-10 (AC002409) similar to tgacg-specific DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o2.np	Method	AAT/NAP
Start	4027	End	7999
GI	5725436	Score	553
Exons	4027..4074, 5781..6024, 6584..6646, 7556..7999		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o2.gp	Method	AAT/GAP
Start	4133	End	4708
GI	none	Score	1103
Exons	4133..4708		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o2.tm	Method	TBLASTX:Maize
Start	4138	End	4404
GI	none	Score	114
Exons	4138..4209, 4140..4196, 4187..4234, 4229..4402, 4244..4402, 4246..4404, 4257..4403		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o2.gs	Method	GENSCAN
Start	5611	End	7889
GI	none	Score	.77
Exons	5611..6012, 6584..6646, 7556..7708, 7863..7889		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o3.tm	Method	TBLASTX:Maize
Start	5640	End	5958
GI	none	Score	259
Exons	5640..5729, 5660..5734, 5787..5957, 5788..5958, 5830..5958		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12
Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o1.tm	Method	TBLASTX:Maize
Start	5962	End	7972
GI	none	Score	75
Exons	5962..6015, 6582..6650, 6583..6648, 6583..6651, 6584..6652, 7506..7739, 7529..7768, 7537..7767, 7772..7972, 7773..7970, 7798..7971		

Seq. No.	38414	Seq. ID	OJ990909_05.0223.C12

Gene No.	78968	Strand	+
Start	493	End	7999
Name	OJ990909_05.0223.C12.o2.ts	Method	TBLASTX:Soybean
Start	7822	End	7965
GI	none	Score	195
Exons	7822..7965, 7823..7957		

Seq. No.	38415	Seq. ID	OJ990909_05.0223.C14
Gene No.	78969	Strand	+
Start	190	End	235
Name	OJ990909_05.0223.C14.o1.gs	Method	GENSCAN
Start	190	End	235
GI	none	Score	.71
Exons	190..235		

Seq. No.	38416	Seq. ID	OJ990909_05.0223.C15
Gene No.	78970	Strand	+
Start	312	End	698
Name	OJ990909_05.0223.C15.o1.tm	Method	TBLASTX:Maize
Start	309	End	654
GI	none	Score	119
Exons	309..413, 315..413, 316..414, 317..421, 399..470, 404..469, 595..654, 600..653, 601..654		

Seq. No.	38416	Seq. ID	OJ990909_05.0223.C15
Gene No.	78970	Strand	+
Start	312	End	698
Name	OJ990909_05.0223.C15.o1.np	Method	AAT/NAP
Start	312	End	698
GI	5725436	Score	249
Exons	312..467, 599..698		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	38416	Seq. ID	OJ990909_05.0223.C15
Gene No.	78970	Strand	+
Start	312	End	698
Name	OJ990909_05.0223.C15.o1.gs	Method	GENSCAN
Start	318	End	467
GI	none	Score	.68
Exons	318..467		

Seq. No.	38417	Seq. ID	OJ990909_08.0222.C1
Gene No.	78971	Strand	+
Start	182	End	616
Name	OJ990909_08.0222.C1.o1.gs	Method	GENSCAN
Start	182	End	616
GI	none	Score	.88
Exons	182..616		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78972	Strand	+
Start	787	End	1765
Name	OJ990909_08.0222.C2.o1.gp	Method	AAT/GAP
Start	787	End	1333
GI	74519_1.R1084	Score	835
Exons	787..901, 987..1333		
GI Descrip.	'1209312 4.0e-09 (L15292) heat shock protein [Euplotes		

eurystomus]'

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78972	Strand	+
Start	787	End	1765
Name	OJ990909_08.0222.C2.o1.gs	Method	GENSCAN
Start	835	End	1765
GI	none	Score	1
Exons	835..901, 987..1765		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78972	Strand	+
Start	787	End	1765
Name	OJ990909_08.0222.C2.o1.np	Method	AAT/NAP
Start	983	End	1735
GI	4803960	Score	470
Exons	983..1735		
GI Descrip.	(AC006202) putative carbonic anhydrase [Arabidopsis thaliana]		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78973	Strand	+
Start	2530	End	6311
Name	OJ990909_08.0222.C2.o2.gs	Method	GENSCAN
Start	2530	End	6311
GI	none	Score	.54
Exons	2530..2580, 3356..3566, 4762..4874, 5202..5303, 5539..5661, 5815..5913, 6300..6311		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78973	Strand	+
Start	2530	End	6311
Name	OJ990909_08.0222.C2.o2.gp	Method	AAT/GAP
Start	4531	End	5883
GI	5003192	Score	977
Exons	4531..4668, 4773..4874, 5202..5303, 5539..5661, 5815..5883		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78974	Strand	-
Start	1045	End	2725
Name	OJ990909_08.0222.C2.o2.np	Method	AAT/NAP
Start	1045	End	2725
GI	6539588	Score	156
Exons	1045..1094, 2433..2725		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78975	Strand	-
Start	6791	End	7456
Name	OJ990909_08.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	983	End	1750
GI	none	Score	425
Exons	983..1357, 994..1353, 1360..1431, 1361..1486, 1478..1750, 1492..1749		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78975	Strand	-
Start	6791	End	7456

Name	OJ990909_08.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	992	End	1317
GI	none	Score	243
Exons	992..1315, 1009..1113, 1180..1317		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78975	Strand	-
Start	6791	End	7456
Name	OJ990909_08.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	1010	End	1714
GI	none	Score	93
Exons	1010..1126, 1018..1110, 1133..1357, 1177..1353, 1481..1651, 1670..1714		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78975	Strand	-
Start	6791	End	7456
Name	OJ990909_08.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	1534	End	1750
GI	none	Score	251
Exons	1534..1749, 1535..1750, 1592..1750, 1598..1669		

Seq. No.	38418	Seq. ID	OJ990909_08.0222.C2
Gene No.	78975	Strand	-
Start	6791	End	7456
Name	OJ990909_08.0222.C2.o3.gs	Method	GENSCAN
Start	6791	End	7456
GI	none	Score	.75
Exons	6791..6830, 6932..7102, 7446..7456		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78976	Strand	+
Start	1	End	795
Name	OJ990909_08.0222.C3.o1.gp	Method	AAT/GAP
Start	1	End	795
GI	5003193	Score	1323
Exons	1..361, 453..795		
GI Descrip.	2541876/dbj|BAA22813| 5.0e-15 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78977	Strand	+
Start	1960	End	3345
Name	OJ990909_08.0222.C3.o2.gs	Method	GENSCAN
Start	1960	End	3345
GI	none	Score	.78
Exons	1960..3345		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78977	Strand	+
Start	1960	End	3345
Name	OJ990909_08.0222.C3.o2.np	Method	AAT/NAP
Start	1964	End	3168
GI	6911549	Score	502
Exons	1964..3168		
GI Descrip.	(AJ249329) heat shock protein 70 [Cucumis sativus]		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78977	Strand	+
Start	1960	End	3345
Name	OJ990909_08.0222.C3.o2.gp	Method	AAT/GAP
Start	2556	End	3041
GI	2442580	Score	242
Exons	2556..2580, 2665..2730, 2989..3041		
GI Descrip.	1209312 4.0e-09 (L15292) heat shock protein [Euplotes eurystomus]		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78978	Strand	+
Start	7469	End	7770
Name	OJ990909_08.0222.C3.o3.np	Method	AAT/NAP
Start	7469	End	7770
GI	6016874	Score	60
Exons	7469..7604, 7752..7770		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78979	Strand	-
Start	1	End	598
Name	OJ990909_08.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	585
GI	3548810	Score	172
Exons	1..585		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78979	Strand	-
Start	1	End	598
Name	OJ990909_08.0222.C3.o2.ts	Method	TBLASTX:Soybean
Start	5	End	529
GI	none	Score	46
Exons	5..58, 152..391, 162..305, 380..529, 410..526		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78979	Strand	-
Start	1	End	598
Name	OJ990909_08.0222.C3.o1.gs	Method	GENSCAN
Start	86	End	598
GI	none	Score	.94
Exons	86..598		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78979	Strand	-
Start	1	End	598
Name	OJ990909_08.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	152	End	529
GI	none	Score	86
Exons	152..274, 329..421, 431..529		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78980	Strand	

Start	2083	End	3167
Name	OJ990909_08.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	2083	End	3167
GI	none	Score	68
Exons	2083..2142, 2085..2132, 2211..2387, 2212..2388, 2479..2619, 2541..2612, 2685..2813, 2686..2946, 2835..2900, 2956..3030, 3078..3167, 3079..3162		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78980	Strand	
Start	2083	End	3167
Name	OJ990909_08.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	2083	End	3162
GI	none	Score	64
Exons	2083..2142, 2212..2388, 2479..2619, 2496..2612, 2685..2813, 2686..2946, 2955..3020, 2959..3030, 3078..3161, 3079..3162		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78980	Strand	
Start	2083	End	3167
Name	OJ990909_08.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	2083	End	3162
GI	none	Score	68
Exons	2083..2142, 2212..2388, 2479..2619, 2496..2612, 2685..2813, 2686..2946, 2956..3030, 3078..3161, 3079..3162		

Seq. No.	38419	Seq. ID	OJ990909_08.0222.C3
Gene No.	78980	Strand	
Start	2083	End	3167
Name	OJ990909_08.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	2089	End	3164
GI	none	Score	48
Exons	2089..2133, 2212..2343, 2389..2469, 2479..2619, 2496..2612, 2685..2813, 2686..2823, 2854..2898, 2956..3033, 2970..3020, 3079..3162, 3084..3164		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78981	Strand	+
Start	396	End	1160
Name	OJ990909_08.0222.C4.o1.gs	Method	GENSCAN
Start	396	End	1160
GI	none	Score	.71
Exons	396..1160		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78982	Strand	+
Start	4165	End	4652
Name	OJ990909_08.0222.C4.o1.gp	Method	AAT/GAP
Start	4165	End	4652
GI	37695_1.R1084	Score	928
Exons	4165..4652		
GI Descrip.	'5042155/emb|CAB44674.1| 1.0e-12 (AL078620) putative protein [Arabidopsis thaliana]'		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78983	Strand	+
Start	12126	End	17310

Name	OJ990909_08.0222.C4.o3.gs	Method	GENSCAN
Start	12126	End	15227
GI	none	Score	.44
Exons	12126..12272, 12291..12324, 12877..12947, 14198..14284, 14530..14652, 14710..14734, 15049..15227		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78983	Strand	+
Start	12126	End	17310
Name	OJ990909_08.0222.C4.o5.np	Method	AAT/NAP
Start	14223	End	17310
GI	5922620	Score	255
Exons	14223..14375, 14710..14734, 15529..15873, 17089..17310		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78984	Strand	-
Start	3796	End	10821
Name	OJ990909_08.0222.C4.o2.gs	Method	GENSCAN
Start	3796	End	10821
GI	none	Score	.52
Exons	3796..3851, 4485..4794, 5424..5585, 5923..6123, 6332..6392, 6959..7146, 7315..7421, 9831..9851, 10668..10821		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78984	Strand	-
Start	3796	End	10821
Name	OJ990909_08.0222.C4.o1.np	Method	AAT/NAP
Start	4480	End	7091
GI	5042155	Score	1123
Exons	4480..4821, 5424..5585, 5923..6123, 6208..6392, 6959..7091		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78984	Strand	-
Start	3796	End	10821
Name	OJ990909_08.0222.C4.o2.gp	Method	AAT/GAP
Start	6048	End	7631
GI	26157_1.R1084	Score	1427
Exons	6048..6123, 6208..6392, 6959..7146, 7315..7631		
GI Descrip.	'4538911/emb|CAB39648.1| 7.0e-44 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78985	Strand	-
Start	10786	End	13949
Name	OJ990909_08.0222.C4.o2.np	Method	AAT/NAP
Start	10786	End	12127
GI	6721507	Score	92
Exons	10786..10983, 11261..11369, 12041..12127		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4

Gene No.	78985	Strand	-
Start	10786	End	13949
Name	OJ990909_08.0222.C4.o3.np	Method	AAT/NAP
Start	11973	End	13949
GI	6539570	Score	179
Exons	11973..11996, 13744..13949		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78986	Strand	-
Start	14085	End	14162
Name	OJ990909_08.0222.C4.o4.np	Method	AAT/NAP
Start	14085	End	14162
GI	6630699	Score	85
Exons	14085..14162		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78987	Strand	-
Start	15972	End	17440
Name	OJ990909_08.0222.C4.o4.gs	Method	GENSCAN
Start	15972	End	17440
GI	none	Score	.41
Exons	15972..16159, 16705..16745, 16860..16887, 17395..17440		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78988	Strand	-
Start	17449	End	17528
Name	OJ990909_08.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	4322	End	7043
GI	none	Score	46
Exons	4322..4354, 4327..4380, 4473..4589, 4474..4794, 4475..4795, 5424..5585, 5425..5583, 5426..5584, 5922..6125, 5923..6144, 5923..6177, 6199..6351, 6208..6393, 6209..6391, 6955..7038, 6955..7038, 6956..7039, 6960..7043		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78988	Strand	-
Start	17449	End	17528
Name	OJ990909_08.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	4409	End	7095
GI	none	Score	220
Exons	4409..4795, 4540..4791, 5439..5585, 5452..5583, 5923..6177, 5924..6127, 6199..6351, 6200..6331, 6202..6390, 6209..6391, 6933..7052, 6949..7095		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78988	Strand	-
Start	17449	End	17528
Name	OJ990909_08.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	4540	End	4750
GI	none	Score	185
Exons	4540..4749, 4544..4750		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4

Gene No.	78988	Strand	-
Start	17449	End	17528
Name	OJ990909_08.0222.C4.o2.tc	Method	TBLASTX:Cress
Start	5505	End	6288
GI	none	Score	118
Exons	5505..5573, 5926..6177, 5927..6181, 6199..6288		

Seq. No.	38420	Seq. ID	OJ990909_08.0222.C4
Gene No.	78988	Strand	-
Start	17449	End	17528
Name	OJ990909_08.0222.C4.o6.np	Method	AAT/NAP
Start	17449	End	17528
GI	6630699	Score	97
Exons	17449..17528		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38421	Seq. ID	OJ990909_08.0222.C6
Gene No.	78989	Strand	+
Start	3216	End	5723
Name	OJ990909_08.0222.C6.o1.gp	Method	AAT/GAP
Start	3216	End	4188
GI	64973_1.R1084	Score	466
Exons	3216..3258, 3971..4188		
GI Descrip.	'3695059/gb|AAC62624.1| 1.0e-44 (AF064787) rac GTPase activating protein 1 [Lotus japonicus]'		

Seq. No.	38421	Seq. ID	OJ990909_08.0222.C6
Gene No.	78989	Strand	+
Start	3216	End	5723
Name	OJ990909_08.0222.C6.o1.np	Method	AAT/NAP
Start	3796	End	5723
GI	3695059	Score	225
Exons	3796..4188, 5688..5723		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	38421	Seq. ID	OJ990909_08.0222.C6
Gene No.	78989	Strand	+
Start	3216	End	5723
Name	OJ990909_08.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	4064	End	4188
GI	none	Score	189
Exons	4064..4126, 4076..4186, 4078..4188		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78990	Strand	+
Start	232	End	3201
Name	OJ990909_08.0222.C7.o1.gp	Method	AAT/GAP
Start	232	End	579
GI	64973_1.R1084	Score	411
Exons	232..356, 447..579		
GI Descrip.	'3695059/gb|AAC62624.1| 1.0e-44 (AF064787) rac GTPase activating protein 1 [Lotus japonicus]'		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78990	Strand	+

Start	232	End	3201
Name	OJ990909_08.0222.C7.o1.np	Method	AAT/NAP
Start	233	End	3201
GI	3695061	Score	643
Exons	233..356, 447..566, 932..1162, 1242..1336, 3116..3201		
GI Descrip.	(AF064788) rac GTPase activating protein 2 [Lotus japonicus]		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78990	Strand	+
Start	232	End	3201
Name	OJ990909_08.0222.C7.o1.gs	Method	GENSCAN
Start	267	End	2719
GI	none	Score	.57
Exons	267..356, 447..566, 932..1162, 1365..1758, 2658..2719		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	225	End	575
GI	none	Score	158
Exons	225..326, 228..356, 233..358, 233..352, 235..357, 441..575, 444..551, 446..562		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	226	End	499
GI	none	Score	91
Exons	226..345, 228..359, 233..358, 441..497, 443..499		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	243	End	1165
GI	none	Score	160
Exons	243..356, 248..352, 267..353, 440..562, 441..575, 923..1165, 928..1161		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	500	End	1328
GI	none	Score	102
Exons	500..589, 501..575, 923..1165, 931..1161, 1006..1182, 1041..1181, 1230..1328, 1230..1298		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	943	End	2061
GI	none	Score	350
Exons	943..1161, 944..1198, 1230..1481, 1230..1481, 1231..1482,		

1240..1497, 1458..1595, 1463..1546, 1653..1826, 1663..1827,
1665..1826, 1838..1873, 1930..1974, 1933..1974, 2023..2061

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	947	End	1328
GI	none	Score	261
Exons	947..1165, 949..1158, 1012..1182, 1062..1181, 1064..1189, 1230..1328		

Seq. No.	38422	Seq. ID	OJ990909_08.0222.C7
Gene No.	78991	Strand	+
Start	3891	End	4726
Name	OJ990909_08.0222.C7.o2.gs	Method	GENSCAN
Start	3891	End	4726
GI	none	Score	.77
Exons	3891..4529, 4547..4726		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78992	Strand	+
Start	444	End	5814
Name	OJ990909_08.0222.C8.o1.gs	Method	GENSCAN
Start	444	End	5814
GI	none	Score	.74
Exons	444..494, 2773..2851, 5243..5814		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78992	Strand	+
Start	444	End	5814
Name	OJ990909_08.0222.C8.o1.np	Method	AAT/NAP
Start	5010	End	5811
GI	5869975	Score	829
Exons	5010..5130, 5243..5811		
GI Descrip.	(AJ237943) germin-like protein [Triticum aestivum]		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78993	Strand	+
Start	7980	End	8101
Name	OJ990909_08.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	4986	End	8099
GI	none	Score	140
Exons	4986..5129, 5050..5130, 5240..5329, 5241..5339, 5241..5339, 5242..5340, 5340..5372, 5341..5373, 5370..5531, 5374..5532, 5391..5549, 5393..5557, 5521..5709, 5543..5680, 5545..5691, 5580..5708, 7956..8099, 7988..8098		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78993	Strand	+
Start	7980	End	8101
Name	OJ990909_08.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	4998	End	8084
GI	none	Score	87
Exons	4998..5114, 5081..5113, 5236..5307, 5241..5303, 5331..5528, 5332..5538, 5338..5538, 5545..5622, 5634..5759, 5638..5793, 7937..8083, 7968..8084		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78993	Strand	+
Start	7980	End	8101
Name	OJ990909_08.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	5031	End	8084
GI	none	Score	80
Exons	5031..5114, 5081..5119, 5241..5303, 5242..5301, 5335..5532, 5349..5528, 5356..5538, 5538..5612, 5542..5631, 5555..5635, 5640..5804, 5640..5774, 5641..5805, 5647..5805, 5648..5809, 8001..8084		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78993	Strand	+
Start	7980	End	8101
Name	OJ990909_08.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	5067	End	8099
GI	none	Score	97
Exons	5067..5129, 5081..5131, 5241..5312, 5242..5562, 5334..5528, 5342..5530, 5545..5622, 5545..5622, 5631..5804, 5632..5808, 5659..5811, 8037..8099, 8039..8098		

Seq. No.	38423	Seq. ID	OJ990909_08.0222.C8
Gene No.	78993	Strand	+
Start	7980	End	8101
Name	OJ990909_08.0222.C8.o2.np	Method	AAT/NAP
Start	7980	End	8101
GI	5869975	Score	116
Exons	7980..8101		
GI Descrip.	(AJ237943) germin-like protein [Triticum aestivum]		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78994	Strand	+
Start	1	End	197
Name	OJ990909_08.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	197
GI	5499730	Score	266
Exons	1..197		
GI Descrip.	(AF141878) germin-like protein 1 precursor [Oryza sativa] gi|5499734|gb|AAD43973.1|AF141880_1 (AF141880) germin-like protein 1 precursor [Oryza sativa]		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78995	Strand	+
Start	1202	End	6030
Name	OJ990909_08.0222.C9.o1.gs	Method	GENSCAN
Start	1202	End	6030
GI	none	Score	.56
Exons	1202..1448, 2088..2143, 2715..2748, 3194..3280, 3401..3912, 5087..5155, 5962..6030		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78995	Strand	+
Start	1202	End	6030
Name	OJ990909_08.0222.C9.o1.gp	Method	AAT/GAP
Start	3069	End	3644
GI	LIB3433-011-Q6-K1-E11	Score	746

Exons	3069..3280, 3401..3644		
GI Descrip.	'5869975/emb|CAB55559.1| 2.0e-41 (AJ237943) germin-like protein [Triticum aestivum]'		
Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78995	Strand	+
Start	1202	End	6030
Name	OJ990909_08.0222.C9.o2.np	Method	AAT/NAP
Start	3160	End	3969
GI	5869975	Score	858
Exons	3160..3280, 3401..3969		
GI Descrip.	(AJ237943) germin-like protein [Triticum aestivum]		
Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78996	Strand	+
Start	6848	End	7657
Name	OJ990909_08.0222.C9.o2.gp	Method	AAT/GAP
Start	6754	End	7329
GI	LIB3433-011-Q6-K1-E11	Score	796
Exons	6754..6965, 7086..7329		
GI Descrip.	'5869975/emb|CAB55559.1| 2.0e-41 (AJ237943) germin-like protein [Triticum aestivum]'		
Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78996	Strand	+
Start	6848	End	7657
Name	OJ990909_08.0222.C9.o2.gs	Method	GENSCAN
Start	6848	End	7657
GI	none	Score	.99
Exons	6848..6965, 7086..7657		
Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	2	End	7552
GI	none	Score	105
Exons	2..94, 3..95, 3166..3279, 3168..3287, 3399..3497, 3399..3497, 3400..3498, 3444..3530, 3498..3530, 3499..3531, 3528..3689, 3532..3690, 3535..3690, 3549..3707, 3551..3715, 3679..3867, 3701..3835, 3702..3866, 6851..6964, 6853..6972, 7083..7172, 7084..7182, 7084..7182, 7085..7183, 7183..7215, 7184..7216, 7213..7374, 7217..7375, 7234..7398, 7364..7552, 7386..7520, 7387..7551		
Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	17	End	7651
GI	none	Score	249
Exons	17..190, 18..194, 45..197, 3217..3279, 3219..3287, 3399..3470, 3400..3687, 3473..3490, 3492..3683, 3703..3780, 3703..3780, 3789..3962, 3790..3966, 3817..3969, 6902..6964, 6904..6972, 7084..7155, 7085..7372, 7093..7374, 7158..7175, 7177..7368, 7388..7465, 7402..7458, 7474..7647, 7475..7651		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o1.tc	Method	TBLASTX:Cress
Start	20	End	7636
GI	none	Score	161
Exons	20..178, 24..179, 3163..3264, 3193..3264, 3387..3461, 3400..3465, 3492..3677, 3493..3696, 3703..3780, 3708..3758, 3792..3950, 3796..3951, 6848..6949, 7072..7146, 7085..7144, 7177..7362, 7178..7381, 7388..7465, 7393..7443, 7477..7635, 7481..7636		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	26	End	7660
GI	none	Score	207
Exons	26..160, 27..203, 30..200, 3181..3282, 3183..3281, 3399..3458, 3400..3459, 3492..3683, 3493..3690, 3696..3779, 3702..3779, 3703..3789, 3703..3795, 3798..3932, 3799..3975, 3802..3981, 6877..6966, 6878..6967, 7079..7144, 7084..7143, 7177..7368, 7178..7375, 7381..7464, 7387..7464, 7388..7474, 7397..7480, 7483..7617, 7484..7660, 7487..7618		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o3.gp	Method	AAT/GAP
Start	8591	End	9012
GI	3761691	Score	597
Exons	8591..9012		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o2.tm	Method	TBLASTX:Maize
Start	8753	End	11413
GI	none	Score	50
Exons	8753..8821, 8763..8795, 8911..9030, 8915..9235, 8916..9236, 9661..9822, 9662..9820, 9663..9821, 9665..9835, 10203..10406, 10203..10478, 10204..10407, 10301..10453, 10480..10626, 10485..10637, 10494..10679, 10495..10677, 11315..11413, 11330..11413		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o2.ts	Method	TBLASTX:Soybean
Start	8850	End	11465
GI	none	Score	219
Exons	8850..9236, 8981..9232, 9676..9822, 9689..9820, 10203..10406, 10204..10407, 10276..10413, 10322..10420, 10322..10414, 10485..10637, 10486..10617, 10495..10677, 11315..11413, 11327..11407, 11331..11465		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9

Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o3.gs	Method	GENSCAN
Start	8915	End	11864
GI	none	Score	.77
Exons	8915..9235, 9661..9822, 10203..10403, 10530..10678, 11329..11505, 11709..11864		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o3.np	Method	AAT/NAP
Start	8921	End	11461
GI	5042155	Score	1124
Exons	8921..9270, 9661..9822, 10203..10403, 10494..10678, 11329..11461		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o2.tc	Method	TBLASTX:Cress
Start	8981	End	9191
GI	none	Score	196
Exons	8981..9190, 8985..9191		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o3.tc	Method	TBLASTX:Cress
Start	9742	End	10574
GI	none	Score	114
Exons	9742..9810, 10206..10481, 10207..10404, 10485..10574		

Seq. No.	38424	Seq. ID	OJ990909_08.0222.C9
Gene No.	78997	Strand	-
Start	8915	End	11864
Name	OJ990909_08.0222.C9.o4.gp	Method	AAT/GAP
Start	10368	End	10679
GI	26157_1.R1084	Score	357
Exons	10368..10403, 10494..10679		
GI Descrip.	'4538911/emb|CAB39648.1| 7.0e-44 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38425	Seq. ID	OJ990909_08.0222.C10
Gene No.	78998	Strand	+
Start	333	End	687
Name	OJ990909_08.0222.C10.o1.gs	Method	GENSCAN
Start	333	End	687
GI	none	Score	.76
Exons	333..451, 496..687		

Seq. No.	38425	Seq. ID	OJ990909_08.0222.C10
Gene No.	78999	Strand	-
Start	2109	End	2262
Name	OJ990909_08.0222.C10.o1.gp	Method	AAT/GAP
Start	2036	End	2262
GI	69380_1.R1084	Score	361

Exons	2036..2262		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		
Seq. No.	38425	Seq. ID	OJ990909_08.0222.C10
Gene No.	78999	Strand	-
Start	2109	End	2262
Name	OJ990909_08.0222.C10.o2.gs	Method	GENSCAN
Start	2109	End	2255
GI	none	Score	.93
Exons	2109..2255		
Seq. No.	38426	Seq. ID	OJ990909_08.0222.C11
Gene No.	79000	Strand	-
Start	223	End	709
Name	OJ990909_08.0222.C11.o1.gp	Method	AAT/GAP
Start	223	End	589
GI	69380_1.R1084	Score	474
Exons	223..359, 452..589		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		
Seq. No.	38426	Seq. ID	OJ990909_08.0222.C11
Gene No.	79000	Strand	-
Start	223	End	709
Name	OJ990909_08.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	223	End	475
GI	none	Score	203
Exons	223..360, 226..360, 267..362, 323..361, 449..475		
Seq. No.	38426	Seq. ID	OJ990909_08.0222.C11
Gene No.	79000	Strand	-
Start	223	End	709
Name	OJ990909_08.0222.C11.o1.gs	Method	GENSCAN
Start	228	End	709
GI	none	Score	.97
Exons	228..359, 452..709		
Seq. No.	38427	Seq. ID	OJ990909_08.0222.C12
Gene No.	79001	Strand	-
Start	1	End	1121
Name	OJ990909_08.0222.C12.o1.gp	Method	AAT/GAP
Start	1	End	704
GI	none	Score	447
Exons	1..205, 601..704		
Seq. No.	38427	Seq. ID	OJ990909_08.0222.C12
Gene No.	79001	Strand	-
Start	1	End	1121
Name	OJ990909_08.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	50	End	1121
GI	none	Score	92
Exons	50..145, 55..150, 137..190, 138..200, 140..205, 598..621, 599..622, 603..632, 621..701, 622..699, 623..709, 766..876, 788..868, 790..987, 965..1087, 982..1074, 1074..1121		
Seq. No.	38427	Seq. ID	OJ990909_08.0222.C12

Gene No.	79001	Strand	-
Start	1	End	1121
Name	OJ990909_08.0222.C12.o1.gs	Method	GENSCAN
Start	59	End	1074
GI	none	Score	.56
Exons	59..205, 790..873, 997..1074		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79002	Strand	+
Start	1345	End	13430
Name	OJ990909_08.0222.C16.o1.gs	Method	GENSCAN
Start	1345	End	13430
GI	none	Score	.64
Exons	1345..1424, 3264..3513, 3928..4324, 4468..5184, 5250..6053, 6144..6368, 6449..6568, 6701..6990, 7104..7267, 7549..7618, 12615..12731, 13371..13430		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79002	Strand	+
Start	1345	End	13430
Name	OJ990909_08.0222.C16.o1.gp	Method	AAT/GAP
Start	9173	End	9645
GI	none	Score	906
Exons	9173..9645		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79003	Strand	+
Start	18808	End	22058
Name	OJ990909_08.0222.C16.o3.np	Method	AAT/NAP
Start	18705	End	21263
GI	6815107	Score	680
Exons	18705..18957, 19209..20365, 20483..20693, 20946..21263		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79003	Strand	+
Start	18808	End	22058
Name	OJ990909_08.0222.C16.o3.gs	Method	GENSCAN
Start	18808	End	22058
GI	none	Score	.43
Exons	18808..18908, 19207..20594, 20715..20803, 21017..21258, 21992..22058		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79004	Strand	-
Start	14063	End	16902
Name	OJ990909_08.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	5955	End	7424
GI	none	Score	100
Exons	5955..6098, 5957..6073, 6269..6370, 6275..6364, 6357..6425, 6358..6429, 6370..6438, 6430..6570, 6445..6564, 6447..6569, 6674..6820, 6677..6820, 6678..6821, 6679..6822, 6901..6990, 6906..6995, 6907..6999, 7103..7264, 7104..7265, 7104..7259, 7376..7423, 7380..7424		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16

Gene No.	79004	Strand	-
Start	14063	End	16902
Name	OJ990909_08.0222.C16.o2.np	Method	AAT/NAP
Start	13753	End	16902
GI	1076763	Score	345
Exons	13753..14179, 14409..14523, 16765..16902		
GI Descrip.	AWJL218 protein - wheat gi|551212|emb|CAA57134| (X81369) AWJL218 [Triticum aestivum]		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79004	Strand	-
Start	14063	End	16902
Name	OJ990909_08.0222.C16.o2.gs	Method	GENSCAN
Start	14063	End	14961
GI	none	Score	.72
Exons	14063..14641, 14691..14908, 14910..14961		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79004	Strand	-
Start	14063	End	16902
Name	OJ990909_08.0222.C16.o2.gp	Method	AAT/GAP
Start	16023	End	16162
GI	LIB3474-009-P1-K1-F11	Score	229
Exons	16023..16162		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79005	Strand	
Start	19195	End	19579
Name	OJ990909_08.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	19195	End	19579
GI	none	Score	194
Exons	19195..19308, 19208..19402, 19214..19321, 19394..19579, 19415..19549		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79006	Strand	
Start	19796	End	20194
Name	OJ990909_08.0222.C16.o4.tm	Method	TBLASTX:Maize
Start	19796	End	20170
GI	none	Score	52
Exons	19796..19861, 19859..20170, 19859..20170		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79006	Strand	
Start	19796	End	20194
Name	OJ990909_08.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	19877	End	20194
GI	none	Score	253
Exons	19877..20194, 19885..20040		

Seq. No.	38428	Seq. ID	OJ990909_08.0222.C16
Gene No.	79007	Strand	
Start	20741	End	21130
Name	OJ990909_08.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	20741	End	21130

GI	none	Score	75
Exons	20741..20890, 20757..20897, 20764..20901, 20765..21130		

Seq. No.	38429	Seq. ID	OJ990909_08.0222.C17
Gene No.	79008	Strand	+
Start	3	End	1705
Name	OJ990909_08.0222.C17.o1.np	Method	AAT/NAP
Start	3	End	1705
GI	6097105	Score	42
Exons	3..79, 1627..1705		
GI Descrip.	(AB026347) ORF1 [TT virus]		

Seq. No.	38429	Seq. ID	OJ990909_08.0222.C17
Gene No.	79009	Strand	+
Start	3405	End	3902
Name	OJ990909_08.0222.C17.o2.gs	Method	GENSCAN
Start	3405	End	3902
GI	none	Score	.99
Exons	3405..3902		

Seq. No.	38429	Seq. ID	OJ990909_08.0222.C17
Gene No.	79009	Strand	+
Start	3405	End	3902
Name	OJ990909_08.0222.C17.o2.np	Method	AAT/NAP
Start	3465	End	3895
GI	2961342	Score	102
Exons	3465..3895		
GI Descrip.	(AL022140) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79010	Strand	+
Start	367	End	560
Name	OJ990909_08.0222.C18.o1.gs	Method	GENSCAN
Start	367	End	560
GI	none	Score	.93
Exons	367..560		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79011	Strand	+
Start	1431	End	2009
Name	OJ990909_08.0222.C18.o2.gs	Method	GENSCAN
Start	1431	End	2003
GI	none	Score	.52
Exons	1431..2003		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79011	Strand	+
Start	1431	End	2009
Name	OJ990909_08.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	1440	End	1883
GI	none	Score	92
Exons	1440..1556, 1659..1766, 1661..1750, 1794..1883		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79011	Strand	+
Start	1431	End	2009
Name	OJ990909_08.0222.C18.o1.tc	Method	TBLASTX:Cress

Start	1466	End	1880
GI	none	Score	336
Exons	1466..1594, 1479..1769, 1628..1768, 1800..1880, 1802..1876		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79011	Strand	+
Start	1431	End	2009
Name	OJ990909_08.0222.C18.o1.np	Method	AAT/NAP
Start	1467	End	2009
GI	4996349	Score	414
Exons	1467..1886, 1941..2009		
GI Descrip.	(AB021178) NAC-domain protein [Nicotiana tabacum]		

Seq. No.	38430	Seq. ID	OJ990909_08.0222.C18
Gene No.	79011	Strand	+
Start	1431	End	2009
Name	OJ990909_08.0222.C18.o1.ts	Method	TBLASTX:Soybean
Start	1481	End	1883
GI	none	Score	106
Exons	1481..1555, 1482..1556, 1553..1765, 1566..1769, 1793..1882, 1794..1883		

Seq. No.	38431	Seq. ID	OJ990909_08.0222.C19
Gene No.	79012	Strand	+
Start	2976	End	4272
Name	OJ990909_08.0222.C19.o1.gs	Method	GENSCAN
Start	2976	End	4272
GI	none	Score	.57
Exons	2976..3003, 3182..3378, 4066..4272		

Seq. No.	38431	Seq. ID	OJ990909_08.0222.C19
Gene No.	79013	Strand	-
Start	5412	End	5750
Name	OJ990909_08.0222.C19.o2.gs	Method	GENSCAN
Start	5412	End	5750
GI	none	Score	.51
Exons	5412..5750		

Seq. No.	38432	Seq. ID	OJ990909_08.0222.C20
Gene No.	79014	Strand	+
Start	27	End	1613
Name	OJ990909_08.0222.C20.o1.gs	Method	GENSCAN
Start	27	End	1613
GI	none	Score	.54
Exons	27..1613		

Seq. No.	38432	Seq. ID	OJ990909_08.0222.C20
Gene No.	79015	Strand	+
Start	1609	End	2308
Name	OJ990909_08.0222.C20.o2.np	Method	AAT/NAP
Start	1609	End	2308
GI	2583130	Score	326
Exons	1609..2308		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	38432	Seq. ID	OJ990909_08.0222.C20

Gene No.	79015	Strand	+
Start	1609	End	2308
Name	OJ990909_08.0222.C20.o1.tw	Method	TBLASTX:Wheat
Start	1782	End	2100
GI	none	Score	80
Exons	1782..1811, 1783..1905, 1893..2060, 1894..2100		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79016	Strand	+
Start	1	End	3354
Name	OJ990909_08.0222.C21.o1.np	Method	AAT/NAP
Start	1	End	2830
GI	6598399	Score	1398
Exons	1..2573, 2654..2830		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79016	Strand	+
Start	1	End	3354
Name	OJ990909_08.0222.C21.o2.np	Method	AAT/NAP
Start	1	End	3354
GI	4582447	Score	1445
Exons	1..2514, 2557..3055, 3275..3354		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79017	Strand	+
Start	3853	End	4082
Name	OJ990909_08.0222.C21.o1.gp	Method	AAT/GAP
Start	3853	End	4082
GI	435945	Score	460
Exons	3853..4082		
GI Descrip.	435946 8.0e-68 (U04297) DNA-binding factor of bZIP class [Oryza sativa]		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79017	Strand	+
Start	3853	End	4082
Name	OJ990909_08.0222.C21.o4.np	Method	AAT/NAP
Start	3899	End	4082
GI	435946	Score	290
Exons	3899..4082		
GI Descrip.	(U04297) DNA-binding factor of bZIP class [Oryza sativa]		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o2.tm	Method	TBLASTX:Maize
Start	528	End	1166
GI	none	Score	97
Exons	528..692, 674..856, 675..992, 887..943, 1020..1166		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039

Name	OJ990909_08.0222.C21.o1.tw	Method	TBLASTX:Wheat
Start	573	End	953
GI	none	Score	253
Exons	573..791, 575..787, 708..794, 786..953	758..877, 772..936, 779..952,	

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o2.ts	Method	TBLASTX:Soybean
Start	717	End	1004
GI	none	Score	186
Exons	717..1004		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o2.tw	Method	TBLASTX:Wheat
Start	1124	End	1508
GI	none	Score	367
Exons	1124..1507, 1125..1508		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o1.ts	Method	TBLASTX:Soybean
Start	1245	End	1664
GI	none	Score	127
Exons	1245..1445, 1449..1664		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o1.tm	Method	TBLASTX:Maize
Start	1320	End	1670
GI	none	Score	301
Exons	1320..1670, 1355..1669		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o4.tw	Method	TBLASTX:Wheat
Start	1509	End	1730
GI	none	Score	240
Exons	1509..1730, 1509..1706, 1514..1729		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039
Name	OJ990909_08.0222.C21.o3.tw	Method	TBLASTX:Wheat
Start	2121	End	2528
GI	none	Score	173
Exons	2121..2324, 2130..2291, 2135..2506, 2370..2528		

Seq. No.	38433	Seq. ID	OJ990909_08.0222.C21
Gene No.	79018	Strand	-
Start	3611	End	4039

Name	OJ990909_08.0222.C21.o2.gs	Method	GENSCAN
Start	3611	End	4039
GI	none	Score	.95
Exons	3611..4039		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79019	Strand	+
Start	1	End	1048
Name	OJ990909_08.0222.C22.o1.gp	Method	AAT/GAP
Start	1	End	1048
GI	435945	Score	1348
Exons	1..27, 156..233, 344..409, 504..1048		
GI Descrip.	435946 8.0e-68 (U04297) DNA-binding factor of bZIP class [Oryza sativa]		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79019	Strand	+
Start	1	End	1048
Name	OJ990909_08.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	599
GI	435946	Score	339
Exons	1..27, 156..233, 344..409, 504..599		
GI Descrip.	(U04297) DNA-binding factor of bZIP class [Oryza sativa]		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79019	Strand	+
Start	1	End	1048
Name	OJ990909_08.0222.C22.o1.gs	Method	GENSCAN
Start	156	End	622
GI	none	Score	.8
Exons	156..233, 344..409, 458..622		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79020	Strand	+
Start	2179	End	7161
Name	OJ990909_08.0222.C22.o2.gs	Method	GENSCAN
Start	2179	End	7026
GI	none	Score	.63
Exons	2179..2301, 2736..2877, 3681..3715, 4379..4649, 4774..4819, 4930..4979, 5591..5735, 6215..6338, 6565..7026		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79020	Strand	+
Start	2179	End	7161
Name	OJ990909_08.0222.C22.o2.gp	Method	AAT/GAP
Start	4431	End	6333
GI	28300_1.R1084	Score	1139
Exons	4431..4649, 4774..4814, 4930..4979, 5591..5735, 6065..6121, 6215..6333		
GI Descrip.	'3169719 1.0e-55 (AF007109) similar to yeast dcp1 [Arabidopsis thaliana]'		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79020	Strand	+
Start	2179	End	7161
Name	OJ990909_08.0222.C22.o2.np	Method	AAT/NAP
Start	4485	End	7161

GI	3169719	Score	676
Exons	4485..4649, 4774..4814, 4930..4979, 5591..5735, 6065..6121, 6215..6316, 6518..7026, 7108..7161		
GI Descrip.	(AF007109) similar to yeast dcp1 [Arabidopsis thaliana]		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79020	Strand	+
Start	2179	End	7161
Name	OJ990909_08.0222.C22.o3.gp	Method	AAT/GAP
Start	6587	End	7141
GI	none	Score	748
Exons	6587..7026, 7108..7141		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o1.tm	Method	TBLASTX:Maize
Start	4511	End	7189
GI	none	Score	224
Exons	4511..4648, 4512..4649, 4773..4814, 4774..4815, 4774..4839, 4901..4978, 4910..4975, 4927..5001, 5587..5736, 5590..5736, 5591..5737, 6019..6120, 6021..6119, 6064..6120, 6199..6267, 6212..6337, 6213..6338, 6544..6780, 6558..6899, 6565..6777, 6657..6899, 6841..6900, 6882..7025, 6896..7036, 6956..7024, 6964..7026, 7090..7167, 7106..7189, 7107..7166		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o1.tc	Method	TBLASTX:Cress
Start	4521	End	7152
GI	none	Score	174
Exons	4521..4649, 4535..4648, 4773..4814, 4774..4815, 4901..4978, 5587..5736, 5587..5730, 6212..6280, 6213..6287, 6841..6900, 6976..7026, 7105..7152		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o1.ts	Method	TBLASTX:Soybean
Start	4521	End	4977
GI	none	Score	179
Exons	4521..4697, 4535..4684, 4774..4815, 4900..4977, 4901..4975		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o2.ts	Method	TBLASTX:Soybean
Start	5587	End	5764
GI	none	Score	204
Exons	5587..5736, 5591..5728, 5593..5736, 5594..5764		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o1.tw	Method	TBLASTX:Wheat
Start	5589	End	6290

GI	none	Score	110
Exons	5589..5735, 5590..5736, 5590..5736, 6042..6119, 6062..6121, 6064..6120, 6212..6289, 6213..6290		

Seq. No.	38434	Seq. ID	OJ990909_08.0222.C22
Gene No.	79021	Strand	+
Start	7078	End	7503
Name	OJ990909_08.0222.C22.o4.gp	Method	AAT/GAP
Start	7078	End	7503
GI	3760451	Score	724
Exons	7078..7503		

Seq. No.	38435	Seq. ID	OJ990909_08.0222.C24
Gene No.	79022	Strand	+
Start	97	End	410
Name	OJ990909_08.0222.C24.o1.gs	Method	GENSCAN
Start	97	End	410
GI	none	Score	.63
Exons	97..219, 276..410		

Seq. No.	38436	Seq. ID	OJ991209_13.0301.C1
Gene No.	79023	Strand	-
Start	74	End	2099
Name	OJ991209_13.0301.C1.o1.gs	Method	GENSCAN
Start	74	End	2099
GI	none	Score	.7
Exons	74..261, 468..580, 690..787, 1778..1868, 1874..2099		

Seq. No.	38436	Seq. ID	OJ991209_13.0301.C1
Gene No.	79024	Strand	-
Start	6177	End	8415
Name	OJ991209_13.0301.C1.o1.gp	Method	AAT/GAP
Start	5940	End	6013
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	5940..6013		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38436	Seq. ID	OJ991209_13.0301.C1
Gene No.	79024	Strand	-
Start	6177	End	8415
Name	OJ991209_13.0301.C1.o2.gs	Method	GENSCAN
Start	6177	End	8415
GI	none	Score	.56
Exons	6177..6191, 6981..7043, 8359..8415		

Seq. No.	38436	Seq. ID	OJ991209_13.0301.C1
Gene No.	79025	Strand	-
Start	10889	End	12907
Name	OJ991209_13.0301.C1.o3.gs	Method	GENSCAN
Start	10889	End	12907
GI	none	Score	.73
Exons	10889..11130, 12889..12907		

Seq. No.	38436	Seq. ID	OJ991209_13.0301.C1
Gene No.	79026	Strand	-

Start	15392	End	15604
Name	OJ991209_13.0301.C1.o4.gs	Method	GENSCAN
Start	15392	End	15604
GI	none	Score	.92
Exons	15392..15604		

Seq. No.	38437	Seq. ID	OJ991209_13.0301.C2
Gene No.	79027	Strand	-
Start	304	End	6341
Name	OJ991209_13.0301.C2.o1.np	Method	AAT/NAP
Start	304	End	6341
GI	228938	Score	160
Exons	304..668, 933..1098, 1321..1384, 2518..2646, 6254..6341		
GI Descrip.	Hyp-rich glycoprotein [Zea diploperennis]		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79028	Strand	+
Start	114	End	1574
Name	OJ991209_13.0301.C3.o1.np	Method	AAT/NAP
Start	114	End	1119
GI	3142293	Score	517
Exons	114..488, 895..1119		
GI Descrip.	(AC002411) Contains similarity to myosin IB heavy chain gb|X70400 from Gallus gallus. [Arabidopsis thaliana]		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79028	Strand	+
Start	114	End	1574
Name	OJ991209_13.0301.C3.o1.gp	Method	AAT/GAP
Start	274	End	1574
GI	17975_1.R1084	Score	1697
Exons	274..488, 895..1574		
GI Descrip.	'2494132 2.0e-38 (AC002376) Contains similarity to human dimethylaniline monooxygenase (gb_M64082). [Arabidopsis thaliana]'		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79029	Strand	+
Start	19020	End	20238
Name	OJ991209_13.0301.C3.o5.gs	Method	GENSCAN
Start	19020	End	20238
GI	none	Score	.76
Exons	19020..19036, 19102..19281, 19305..19553, 20082..20238		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79030	Strand	+
Start	24818	End	25246
Name	OJ991209_13.0301.C3.o7.gs	Method	GENSCAN
Start	24818	End	25246
GI	none	Score	.95
Exons	24818..24844, 24916..25099, 25101..25246		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79031	Strand	+
Start	31278	End	35553
Name	OJ991209_13.0301.C3.o9.gs	Method	GENSCAN
Start	31278	End	35553

GI	none	Score	.6
Exons	31278..31327, 32165..32349, 32697..32777, 35543..35553		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79032	Strand	+
Start	39841	End	41487
Name	OJ991209_13.0301.C3.o3.np	Method	AAT/NAP
Start	39817	End	41475
GI	4835783	Score	994
Exons	39817..40767, 41152..41475		
GI Descrip.	(AC007296) Strong similarity to gi|3367537 T8K4.24 from Arabidopsis thaliana BAC gb|AC004392. EST gb|N37796 comes from this gene.		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79032	Strand	+
Start	39841	End	41487
Name	OJ991209_13.0301.C3.o10.gs	Method	GENSCAN
Start	39841	End	41487
GI	none	Score	.85
Exons	39841..41487		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79033	Strand	+
Start	43897	End	52007
Name	OJ991209_13.0301.C3.o11.gs	Method	GENSCAN
Start	43897	End	52007
GI	none	Score	.54
Exons	43897..44009, 44131..44214, 44439..44710, 44844..44884, 45476..45520, 46192..46239, 46902..47020, 50512..50567, 51796..52007		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79034	Strand	+
Start	57689	End	65772
Name	OJ991209_13.0301.C3.o13.gs	Method	GENSCAN
Start	57689	End	65772
GI	none	Score	.45
Exons	57689..57752, 60182..60282, 62453..62545, 62742..63038, 65184..65534, 65755..65772		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79035	Strand	+
Start	66921	End	67274
Name	OJ991209_13.0301.C3.o14.gs	Method	GENSCAN
Start	66921	End	67274
GI	none	Score	.97
Exons	66921..67274		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79036	Strand	+
Start	68950	End	71065
Name	OJ991209_13.0301.C3.o15.gs	Method	GENSCAN
Start	68950	End	71065
GI	none	Score	.73
Exons	68950..69015, 70176..70316, 70363..70586, 70918..71065		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79037	Strand	-
Start	9321	End	17348
Name	OJ991209_13.0301.C3.o2.gs	Method	GENSCAN
Start	9321	End	12872
GI	none	Score	.56
Exons	9321..9541, 9857..9920, 12105..12872		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79037	Strand	-
Start	9321	End	17348
Name	OJ991209_13.0301.C3.o2.np	Method	AAT/NAP
Start	12044	End	15395
GI	4587589	Score	518
Exons	12044..12969, 15325..15395		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79037	Strand	-
Start	9321	End	17348
Name	OJ991209_13.0301.C3.o4.gs	Method	GENSCAN
Start	14886	End	17348
GI	none	Score	.56
Exons	14886..15443, 15877..15979, 17083..17348		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79038	Strand	-
Start	21000	End	23060
Name	OJ991209_13.0301.C3.o6.gs	Method	GENSCAN
Start	21000	End	23060
GI	none	Score	.44
Exons	21000..21126, 22174..22287, 22403..22572, 23052..23060		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79039	Strand	-
Start	26367	End	28503
Name	OJ991209_13.0301.C3.o8.gs	Method	GENSCAN
Start	26367	End	28503
GI	none	Score	.55
Exons	26367..26406, 26889..27173, 28442..28503		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79040	Strand	-
Start	44044	End	45921
Name	OJ991209_13.0301.C3.o4.np	Method	AAT/NAP
Start	44044	End	45921
GI	5852093	Score	79
Exons	44044..44120, 45781..45921		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79041	Strand	-
Start	54208	End	55808
Name	OJ991209_13.0301.C3.o5.np	Method	AAT/NAP
Start	54208	End	55808
GI	2459412	Score	1542
Exons	54208..55631, 55662..55808		

GI Descrip. (AC002332) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79041	Strand	-
Start	54208	End	55808
Name	OJ991209_13.0301.C3.o2.gp	Method	AAT/GAP
Start	54481	End	54936
GI	LIB3433-008-Q6-K1-D12	Score	864
Exons	54481..54936		

GI Descrip. '2459412 6.0e-44 (AC002332) putative G9a protein [Arabidopsis thaliana]'

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79042	Strand	-
Start	57976	End	58087
Name	OJ991209_13.0301.C3.o6.np	Method	AAT/NAP
Start	57976	End	58087
GI	6815099	Score	70
Exons	57976..58087		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o11.tm	Method	TBLASTX:Maize
Start	249	End	1059
GI	none	Score	217
Exons	249..488, 939..1043, 940..1059		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o5.ts	Method	TBLASTX:Soybean
Start	12048	End	12494
GI	none	Score	283
Exons	12048..12494		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o3.tm	Method	TBLASTX:Maize
Start	12051	End	13044
GI	none	Score	166
Exons	12051..12584, 12061..12585, 12468..12602, 12490..12612, 12603..12971, 12603..12824, 12604..12828, 12606..12734, 12793..12963, 12795..12989, 12810..12899, 12979..13044		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o2.tc	Method	TBLASTX:Cress
Start	12378	End	13277
GI	none	Score	40
Exons	12378..12494, 12402..12587, 12501..12587, 12508..12567, 12559..12735, 12603..12794, 12603..12965, 12804..12926, 12810..12926, 12810..12986, 13158..13277		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o3.tw	Method	TBLASTX:Wheat
Start	12402	End	12971
GI	none	Score	64
Exons	12402..12587, 12603..12794, 12805..12954, 12810..12953, 12870..12971		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o10.tm	Method	TBLASTX:Maize
Start	39861	End	40059
GI	none	Score	217
Exons	39861..40058, 39862..40059		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o1.ts	Method	TBLASTX:Soybean
Start	39862	End	40437
GI	none	Score	662
Exons	39862..40437, 39963..40154, 40215..40436		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o5.tm	Method	TBLASTX:Maize
Start	40129	End	40368
GI	none	Score	353
Exons	40129..40368, 40132..40224, 40215..40367		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o1.tc	Method	TBLASTX:Cress
Start	40207	End	40604
GI	none	Score	589
Exons	40207..40599, 40221..40604		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o9.tm	Method	TBLASTX:Maize
Start	40368	End	40659
GI	none	Score	165
Exons	40368..40475, 40369..40479, 40500..40658, 40501..40659		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o2.tw	Method	TBLASTX:Wheat
Start	40386	End	40620
GI	none	Score	134
Exons	40386..40475, 40387..40479, 40491..40616, 40498..40620		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o2.ts	Method	TBLASTX:Soybean
Start	40456	End	40854
GI	none	Score	568
Exons	40456..40854, 40461..40808, 40630..40854		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o1.tm	Method	TBLASTX:Maize
Start	40659	End	41244
GI	none	Score	99
Exons	40659..40712, 40660..40722, 40711..40755, 40712..40774, 40713..40775, 40714..40776, 40755..40787, 40756..40914, 40758..40919, 40866..41108, 40898..41110, 40900..41109, 40907..41110, 40908..41111, 40909..41112, 41055..41210, 41109..41195, 41110..41244, 41111..41242		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o1.tw	Method	TBLASTX:Wheat
Start	40773	End	41129
GI	none	Score	154
Exons	40773..40913, 40774..40914, 40780..40914, 40866..41072, 40907..41077, 40908..41069, 40909..41073, 41070..41129, 41074..41127		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o7.ts	Method	TBLASTX:Soybean
Start	40972	End	41349
GI	none	Score	106
Exons	40972..41064, 41013..41048, 41056..41238, 41076..41195, 41233..41349		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o8.tm	Method	TBLASTX:Maize
Start	41246	End	44474
GI	none	Score	76
Exons	41246..41320, 41248..41478, 41248..41475, 41250..41477, 44407..44472, 44407..44472, 44409..44474		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o3.tc	Method	TBLASTX:Cress
Start	41323	End	44508
GI	none	Score	230
Exons	41323..41478, 41328..41477, 44419..44508		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o8.ts	Method	TBLASTX:Soybean
Start	41371	End	44667
GI	none	Score	161
Exons	41371..41478, 41374..41475, 41397..41477, 44396..44509, 44407..44511, 44500..44580, 44552..44578, 44581..44667		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o7.tm	Method	TBLASTX:Maize
Start	44474	End	44973
GI	none	Score	256
Exons	44474..44644, 44475..44726, 44535..44666, 44834..44899, 44836..44874, 44889..44942, 44940..44972, 44941..44973		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o4.ts	Method	TBLASTX:Soybean
Start	54214	End	54445
GI	none	Score	122
Exons	54214..54444, 54221..54445		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o2.tm	Method	TBLASTX:Maize
Start	54322	End	54702
GI	none	Score	449
Exons	54322..54621, 54323..54673, 54511..54702		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o3.ts	Method	TBLASTX:Soybean
Start	54574	End	55002
GI	none	Score	69
Exons	54574..54807, 54574..54843, 54578..54865, 54846..54974, 54898..55002, 54898..55002		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o6.tm	Method	TBLASTX:Maize
Start	54703	End	55555
GI	none	Score	71
Exons	54703..54813, 55138..55302, 55321..55551, 55454..55555		

Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o4.tm	Method	TBLASTX:Maize
Start	54815	End	55136
GI	none	Score	70

Exons	54815..54868, 54815..54865, 54853..55131, 54857..55135, 54861..55136, 54871..55134		
Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o6.ts	Method	TBLASTX:Soybean
Start	55219	End	55485
GI	none	Score	210
Exons	55219..55299, 55330..55485		
Seq. No.	38438	Seq. ID	OJ991209_13.0301.C3
Gene No.	79043	Strand	-
Start	66306	End	66415
Name	OJ991209_13.0301.C3.o3.gp	Method	AAT/GAP
Start	66306	End	66415
GI	uC-osflcyp082b07a1	Score	161
Exons	66306..66415		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		
Seq. No.	38439	Seq. ID	OJ991209_13.0301.C4
Gene No.	79044	Strand	+
Start	1	End	4555
Name	OJ991209_13.0301.C4.o1.np	Method	AAT/NAP
Start	1	End	4555
GI	4586061	Score	1111
Exons	1..36, 803..883, 983..1137, 1684..1841, 2339..2440, 2987..3146, 3295..3403, 3484..3586, 3713..3863, 4030..4162, 4247..4347, 4441..4555		
GI Descrip.	(AC007020) putative WD-40 repeat protein [Arabidopsis thaliana]		
Seq. No.	38439	Seq. ID	OJ991209_13.0301.C4
Gene No.	79044	Strand	+
Start	1	End	4555
Name	OJ991209_13.0301.C4.o1.gs	Method	GENSCAN
Start	566	End	4511
GI	none	Score	.87
Exons	566..655, 785..883, 983..1137, 1724..1841, 2339..2440, 2987..3146, 3295..3438, 4015..4162, 4247..4353, 4441..4511		
Seq. No.	38439	Seq. ID	OJ991209_13.0301.C4
Gene No.	79044	Strand	+
Start	1	End	4555
Name	OJ991209_13.0301.C4.o2.tm	Method	TBLASTX:Maize
Start	566	End	1148
GI	none	Score	42
Exons	566..589, 571..639, 618..674, 788..838, 980..1138, 980..1114, 982..1137, 1098..1148		
Seq. No.	38439	Seq. ID	OJ991209_13.0301.C4
Gene No.	79044	Strand	+
Start	1	End	4555
Name	OJ991209_13.0301.C4.o1.ts	Method	TBLASTX:Soybean
Start	980	End	4355
GI	none	Score	193
Exons	980..1138, 980..1075, 982..1137, 1713..1847, 1725..1841,		

2339..2443, 2339..2440, 2344..2442, 2971..3096, 2972..3094, 3109..3147, 3110..3148, 3294..3407, 3298..3405, 3481..3594, 3482..3592, 3710..3868, 3716..3856, 3718..3873, 4028..4099, 4029..4100, 4029..4100, 4116..4151, 4278..4355

Seq. No.	38439	Seq. ID	OJ991209_13.0301.C4
Gene No.	79044	Strand	+
Start	1	End	4555
Name	OJ991209_13.0301.C4.o1.tm	Method	TBLASTX:Maize
Start	1720	End	3868
GI	none	Score	40
Exons	1720..1749, 1722..1841, 1725..1841, 1757..1849, 1784..1843, 1789..1848, 2338..2442, 2339..2452, 2970..3125, 2971..3147, 2972..3148, 3003..3194, 3277..3408, 3292..3396, 3293..3397, 3294..3410, 3482..3592, 3484..3594, 3708..3863, 3710..3868, 3712..3864		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79045	Strand	+
Start	459	End	2563
Name	OJ991209_13.0301.C5.o1.gp	Method	AAT/GAP
Start	459	End	1976
GI	uC-osf1cyp002d04b1	Score	758
Exons	459..686, 857..941, 1876..1976		
GI Descrip.	'4586061/gb|AAD25679.1|AC007020_21 1.0e-51 (AC007020) putative BOP1 protein [Arabidopsis thaliana]'		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79045	Strand	+
Start	459	End	2563
Name	OJ991209_13.0301.C5.o1.np	Method	AAT/NAP
Start	461	End	2563
GI	4586061	Score	601
Exons	461..686, 857..941, 1876..2048, 2481..2563		
GI Descrip.	(AC007020) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o1.ts	Method	TBLASTX:Soybean
Start	460	End	2560
GI	none	Score	186
Exons	460..687, 521..688, 842..904, 856..942, 894..944, 1867..2058, 1880..2056, 2479..2559, 2480..2560		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o3.tm	Method	TBLASTX:Maize
Start	460	End	613
GI	none	Score	78
Exons	460..612, 460..612, 461..613		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o1.tm	Method	TBLASTX:Maize

Start	614	End	2710
GI	none	Score	118
Exons	614..688, 616..687, 645..722, 849..941, 856..951, 857..949, 891..950, 1867..2055, 1880..2056, 2478..2564, 2479..2532, 2479..2574, 2480..2566, 2611..2652, 2690..2710		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o1.tc	Method	TBLASTX:Cress
Start	1873	End	2566
GI	none	Score	261
Exons	1873..2037, 1874..2050, 2467..2559, 2480..2560, 2480..2566		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o2.gp	Method	AAT/GAP
Start	3127	End	3992
GI	1164_1.R1084	Score	1193
Exons	3127..3605, 3742..3807, 3912..3992		
GI Descrip.	'131176/sp|P13194|PSAE_HORVU 2.0e-27 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IV PRECURSOR (PHOTOSYSTEM I 10.8 KD POLYPEPTIDE) (PSI-E) >gi_72683_pir__F1BH4 photosystem I chain IV precursor - barley >gi_19087_emb_CAA68782_ (Y00966) psa2 preprotein (AA -46 to 101) [Hordeum vulgare] >gi_226163_prf__1413233A 10.8kD photosystem I protein [Hordeum vulgare var. distichum]'		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o2.ts	Method	TBLASTX:Soybean
Start	3492	End	3948
GI	none	Score	124
Exons	3492..3608, 3493..3606, 3493..3609, 3587..3619, 3728..3808, 3728..3808, 3742..3834, 3742..3810, 3907..3948		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o2.gs	Method	GENSCAN
Start	3501	End	3813
GI	none	Score	.87
Exons	3501..3605, 3742..3813		

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o2.np	Method	AAT/NAP
Start	3501	End	3992
GI	131176	Score	310
Exons	3501..3605, 3742..3807, 3912..3992		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT IV PRECURSOR (PHOTOSYSTEM I 10.8 KD POLYPEPTIDE) (PSI-E) gi|72683|pir||F1BH4 photosystem I chain IV precursor - barley gi|19087|emb|CAA68782| (Y00966) psa2 preprotein (AA -46 to 101) [Hordeum vulgare] gi|226163|prf||1413233A 10.8kD photosystem I protein [Hordeum		

vulgare var. distichum]

Seq. No.	38440	Seq. ID	OJ991209_13.0301.C5
Gene No.	79046	Strand	-
Start	3501	End	3992
Name	OJ991209_13.0301.C5.o2.tm	Method	TBLASTX:Maize
Start	3501	End	3805
GI	none	Score	138
Exons	3501..3614, 3502..3612, 3502..3615, 3727..3804, 3740..3805		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79047	Strand	+
Start	93	End	15130
Name	OJ991209_13.0301.C6.o1.gs	Method	GENSCAN
Start	93	End	15130
GI	none	Score	.64
Exons	93..182, 2108..2201, 2306..2511, 2897..2946, 3003..3184, 3654..3732, 4469..4571, 5077..5283, 5392..5503, 5586..5720, 6120..6127, 6347..6525, 8043..8266, 8344..8508, 8609..8765, 8969..9057, 9637..9737, 10293..10396, 10503..10612, 10782..10958, 11215..11301, 11437..11598, 11702..11743, 12224..12354, 12538..12632, 12734..12781, 12850..12997, 13530..13651, 13993..14087, 15005..15130		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79047	Strand	+
Start	93	End	15130
Name	OJ991209_13.0301.C6.o2.gp	Method	AAT/GAP
Start	2991	End	6064
GI	21372_1.R1084	Score	2267
Exons	2991..3184, 3654..3732, 4469..4571, 5020..5283, 5392..5503, 5586..6064		
GI Descrip.	'4506233/ref|NP_002803.1|pPSMD8| 6.0e-36 proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 >gi_1346766_sp_P48556_PSD8_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S14 (P31) >gi_1362741_pir__S56108 multicatalytic endopeptidase complex (EC 3.4.99.46) regulatory chain 31 - human >gi_1037164_dbj_BAA07237_ (D38047) 26S proteasome subunit p31 [Homo sapiens] >gi_3702282 (AC005789) PP31_'		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79047	Strand	+
Start	93	End	15130
Name	OJ991209_13.0301.C6.o1.np	Method	AAT/NAP
Start	3080	End	5723
GI	6633812	Score	933
Exons	3080..3184, 3654..3732, 4469..4571, 5020..5283, 5392..5503, 5586..5723		
GI Descrip.	(AC009519) F1N19.9 [Arabidopsis thaliana]		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79047	Strand	+
Start	93	End	15130
Name	OJ991209_13.0301.C6.o2.np	Method	AAT/NAP
Start	10147	End	12992
GI	4006872	Score	651
Exons	10147..10181, 11066..11301, 11437..11598, 11702..11743,		

	11949..12022, 12104..12181, 12538..12632, 12734..12781, 12850..12992		
GI Descrip.	(Z99707) methionyl aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79047	Strand	+
Start	93	End	15130
Name	OJ991209_13.0301.C6.o3.np	Method	AAT/NAP
Start	12213	End	14563
GI	4388825	Score	53
Exons	12213..12337, 14466..14563		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79048	Strand	+
Start	22678	End	25430
Name	OJ991209_13.0301.C6.o4.gs	Method	GENSCAN
Start	22678	End	25430
GI	none	Score	.71
Exons	22678..23031, 23290..23622, 23953..24123, 25232..25430		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79049	Strand	-
Start	1	End	222
Name	OJ991209_13.0301.C6.o1.gp	Method	AAT/GAP
Start	1	End	222
GI	none	Score	387
Exons	1..222		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o1.ts	Method	TBLASTX:Soybean
Start	3058	End	5756
GI	none	Score	148
Exons	3058..3189, 3080..3187, 3648..3740, 4462..4566, 4466..4558, 4467..4580, 4468..4566, 5001..5282, 5018..5281, 5027..5284, 5029..5289, 5362..5505, 5384..5503, 5388..5513, 5577..5756, 5583..5726, 5585..5740		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o1.tc	Method	TBLASTX:Cress
Start	3073	End	5660
GI	none	Score	140
Exons	3073..3186, 3080..3232, 3648..3740, 3651..3743, 4462..4566, 4470..4565, 5008..5265, 5008..5289, 5027..5284, 5362..5484, 5384..5503, 5390..5503, 5576..5608, 5577..5609, 5607..5660		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o1.tm	Method	TBLASTX:Maize
Start	4471	End	5745

GI	none	Score	154
Exons	4471..4569, 4471..4569, 5001..5279, 5004..5282, 5020..5289, 5021..5284, 5362..5505, 5384..5503, 5577..5729, 5585..5728, 5665..5745		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o2.ts	Method	TBLASTX:Soybean
Start	11094	End	12988
GI	none	Score	202
Exons	11094..11195, 11119..11310, 11220..11300, 11428..11598, 11436..11597, 11449..11598, 11696..11743, 11698..11739, 11925..12023, 12122..12181, 12566..12628, 12568..12636, 12727..12780, 12748..12780, 12839..12988, 12849..12986		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o2.tm	Method	TBLASTX:Maize
Start	11100	End	12010
GI	none	Score	90
Exons	11100..11198, 11119..11199, 11196..11300, 11212..11310, 11428..11598, 11434..11586, 11436..11597, 11688..11747, 11696..11743, 11698..11748, 11925..12002, 11936..12010		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o5.tm	Method	TBLASTX:Maize
Start	12601	End	12995
GI	none	Score	62
Exons	12601..12630, 12602..12631, 12735..12779, 12736..12780, 12838..12906, 12839..12994, 12849..12995		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o4.np	Method	AAT/NAP
Start	13472	End	17997
GI	4388825	Score	211
Exons	13472..13540, 16411..16850, 17941..17997		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79050	Strand	-
Start	13472	End	17997
Name	OJ991209_13.0301.C6.o2.gs	Method	GENSCAN
Start	16407	End	17176
GI	none	Score	.55
Exons	16407..16676, 16710..16982, 17141..17176		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79051	Strand	
Start	22438	End	23051
Name	OJ991209_13.0301.C6.o4.tm	Method	TBLASTX:Maize

Start	22438	End	23051
GI	none	Score	40
Exons	22438..22464, 22509..22613, 22510..22752, 22699..22749, 22701..22730, 22759..22836, 22769..22834, 22854..23051, 22855..23031		

Seq. No.	38441	Seq. ID	OJ991209_13.0301.C6
Gene No.	79052	Strand	
Start	23549	End	25490
Name	OJ991209_13.0301.C6.o3.tm	Method	TBLASTX:Maize
Start	23549	End	25490
GI	none	Score	90
Exons	23549..23620, 23551..23622, 23559..23633, 23563..23634, 23993..24124, 24031..24123, 25229..25321, 25230..25268, 25231..25320, 25318..25488, 25322..25489, 25341..25490		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79053	Strand	+
Start	1	End	1365
Name	OJ991209_13.0301.C7.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	4538896	Score	755
Exons	1..153, 215..1236		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79053	Strand	+
Start	1	End	1365
Name	OJ991209_13.0301.C7.o1.gs	Method	GENSCAN
Start	439	End	1365
GI	none	Score	.49
Exons	439..1365		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79054	Strand	-
Start	3187	End	3278
Name	OJ991209_13.0301.C7.o1.tm	Method	TBLASTX:Maize
Start	28	End	438
GI	none	Score	240
Exons	28..231, 48..191, 58..198, 227..337, 229..303, 251..337, 341..385, 349..384, 391..438, 393..434		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79054	Strand	-
Start	3187	End	3278
Name	OJ991209_13.0301.C7.o3.tm	Method	TBLASTX:Maize
Start	547	End	885
GI	none	Score	207
Exons	547..834, 547..768, 549..794, 802..885		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79054	Strand	-
Start	3187	End	3278
Name	OJ991209_13.0301.C7.o2.tm	Method	TBLASTX:Maize
Start	907	End	1335
GI	none	Score	293
Exons	907..1335, 1150..1335		

Seq. No.	38442	Seq. ID	OJ991209_13.0301.C7
Gene No.	79054	Strand	-
Start	3187	End	3278
Name	OJ991209_13.0301.C7.o2.gs	Method	GENSCAN
Start	3187	End	3278
GI	none	Score	.64
Exons	3187..3278		

Seq. No.	38443	Seq. ID	OJ991209_13.0301.C8
Gene No.	79055	Strand	+
Start	199	End	233
Name	OJ991209_13.0301.C8.o1.gs	Method	GENSCAN
Start	199	End	233
GI	none	Score	.48
Exons	199..233		

Seq. No.	38443	Seq. ID	OJ991209_13.0301.C8
Gene No.	79056	Strand	-
Start	2599	End	2805
Name	OJ991209_13.0301.C8.o2.gs	Method	GENSCAN
Start	2599	End	2805
GI	none	Score	.77
Exons	2599..2805		

Seq. No.	38444	Seq. ID	OJ991209_13.0301.C9
Gene No.	79057	Strand	+
Start	1490	End	2279
Name	OJ991209_13.0301.C9.o1.np	Method	AAT/NAP
Start	1490	End	2279
GI	4234848	Score	341
Exons	1490..1651, 1694..2279		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		

Seq. No.	38444	Seq. ID	OJ991209_13.0301.C9
Gene No.	79058	Strand	-
Start	524	End	645
Name	OJ991209_13.0301.C9.o1.gs	Method	GENSCAN
Start	524	End	645
GI	none	Score	.71
Exons	524..645		

Seq. No.	38444	Seq. ID	OJ991209_13.0301.C9
Gene No.	79059	Strand	
Start	1584	End	2162
Name	OJ991209_13.0301.C9.o1.tm	Method	TBLASTX:Maize
Start	1584	End	2162
GI	none	Score	550
Exons	1584..2162, 1706..2152		

Seq. No.	38445	Seq. ID	OJ990409_07.0302.C8
Gene No.	79060	Strand	
Start	335	End	754
Name	OJ990409_07.0302.C8.o1.tm	Method	TBLASTX:Maize
Start	335	End	754
GI	none	Score	134
Exons	335..454, 446..595, 456..650, 461..733, 516..647, 701..754		

Seq. No.	38445	Seq. ID	OJ990409_07.0302.C8
Gene No.	79060	Strand	
Start	335	End	754
Name	OJ990409_07.0302.C8.o1.tw	Method	TBLASTX:Wheat
Start	392	End	724
GI	none	Score	48
Exons	392..502, 393..482, 518..598,	537..722,	647..724

Seq. No.	38446	Seq. ID	OJ990409_07.0302.C11
Gene No.	79061	Strand	
Start	1606	End	2427
Name	OJ990409_07.0302.C11.o1.tm	Method	TBLASTX:Maize
Start	1606	End	2427
GI	none	Score	56
Exons	1606..1689, 1726..1776, 1822..1896, 1829..1897, 1986..2036, 2040..2084, 2162..2371, 2178..2378, 2395..2427, 2400..2426		

Seq. No.	38446	Seq. ID	OJ990409_07.0302.C11
Gene No.	79061	Strand	
Start	1606	End	2427
Name	OJ990409_07.0302.C11.o1.tw	Method	TBLASTX:Wheat
Start	1608	End	2378
GI	none	Score	72
Exons	1608..1697, 1725..1760, 1726..1761, 1810..1884, 1811..1879, 1989..2033, 2034..2102, 2043..2111, 2159..2338, 2178..2333, 2343..2378		

Seq. No.	38446	Seq. ID	OJ990409_07.0302.C11
Gene No.	79061	Strand	
Start	1606	End	2427
Name	OJ990409_07.0302.C11.o1.tc	Method	TBLASTX:Cress
Start	1626	End	2427
GI	none	Score	68
Exons	1626..1742, 1726..1779, 1822..1896, 1823..1897, 1985..2035, 1986..2036, 2040..2084, 2162..2371, 2178..2378, 2391..2426, 2392..2427		

Seq. No.	38446	Seq. ID	OJ990409_07.0302.C11
Gene No.	79061	Strand	
Start	1606	End	2427
Name	OJ990409_07.0302.C11.o1.ts	Method	TBLASTX:Soybean
Start	1626	End	2427
GI	none	Score	70
Exons	1626..1724, 1726..1770, 1825..1878, 1829..1897, 1986..2036, 2034..2084, 2159..2380, 2178..2381, 2386..2427		

Seq. No.	38447	Seq. ID	OJ990409_07.0302.C13
Gene No.	79062	Strand	+
Start	609	End	1559
Name	OJ990409_07.0302.C13.o1.gp	Method	AAT/GAP
Start	609	End	1559
GI	31166_1.R1084	Score	546
Exons	609..694, 1348..1559		
GI Descrip.	'1518540 2.0e-97 (U53418) UDP-glucose dehydrogenase [Glycine max]'		

Seq. No.	38447	Seq. ID	OJ990409_07.0302.C13
Gene No.	79062	Strand	+
Start	609	End	1559
Name	OJ990409_07.0302.C13.o1.tm	Method	TBLASTX:Maize
Start	1360	End	1559
GI	none	Score	318
Exons	1360..1557, 1362..1559		

Seq. No.	38447	Seq. ID	OJ990409_07.0302.C13
Gene No.	79062	Strand	+
Start	609	End	1559
Name	OJ990409_07.0302.C13.o1.ts	Method	TBLASTX:Soybean
Start	1362	End	1559
GI	none	Score	310
Exons	1362..1559, 1363..1557		

Seq. No.	38447	Seq. ID	OJ990409_07.0302.C13
Gene No.	79062	Strand	+
Start	609	End	1559
Name	OJ990409_07.0302.C13.o1.tc	Method	TBLASTX:Cress
Start	1365	End	1557
GI	none	Score	136
Exons	1365..1526, 1366..1557, 1368..1556, 1378..1557		

Seq. No.	38447	Seq. ID	OJ990409_07.0302.C13
Gene No.	79062	Strand	+
Start	609	End	1559
Name	OJ990409_07.0302.C13.o1.tw	Method	TBLASTX:Wheat
Start	1365	End	1557
GI	none	Score	169
Exons	1365..1550, 1366..1557, 1368..1556, 1378..1557		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79063	Strand	+
Start	679	End	1495
Name	OJ990409_07.0302.C14.o1.gp	Method	AAT/GAP
Start	679	End	1495
GI	422_2.R1084	Score	1586
Exons	679..1495		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79064	Strand	-
Start	8189	End	8727
Name	OJ990409_07.0302.C14.o3.gp	Method	AAT/GAP
Start	8189	End	8727
GI	none	Score	674
Exons	8189..8476, 8621..8727		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79065	Strand	-
Start	9232	End	15524
Name	OJ990409_07.0302.C14.o4.gp	Method	AAT/GAP
Start	9232	End	15524
GI	635_1.R1084	Score	2551
Exons	9232..9428, 10496..10781, 11063..11215, 11332..11454,		

12143..12209, 12836..13023, 13848..13964, 14434..14526,
15091..15173, 15279..15333, 15447..15524
GI Descrip. '459009 1.0e-133 (U00037) similar to multifunctional aminoacyl-tRNA synthetase, especially to the prolyl-tRNA synthetase region [Caenorhabditis elegans]'

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o1.tc	Method	TBLASTX:Cress
Start	86	End	7056
GI	none	Score	1052
Exons	86..766, 88..777, 484..768, 766..813, 768..815, 774..815, 814..1134, 816..926, 816..1139, 817..1140, 969..1151, 1076..1153, 5573..5911, 5577..6056, 5581..6690, 5583..6692, 6691..7011, 6694..7056, 6705..7016		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o1.ts	Method	TBLASTX:Soybean
Start	86	End	7032
GI	none	Score	1077
Exons	86..766, 88..783, 765..1151, 766..1149, 769..1152, 5505..6128, 5572..5991, 5581..7026, 5583..7025, 6061..7032		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o1.tm	Method	TBLASTX:Maize
Start	86	End	7152
GI	none	Score	1136
Exons	86..766, 86..133, 88..765, 194..766, 204..767, 472..771, 765..1145, 766..1149, 768..1151, 1175..1255, 5580..6128, 5581..7026, 5583..7022, 6064..7026, 6348..7037, 6590..7036, 7088..7123, 7089..7142, 7108..7152		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o1.tw	Method	TBLASTX:Wheat
Start	477	End	6750
GI	none	Score	503
Exons	477..572, 478..765, 479..766, 765..872, 766..873, 6354..6749, 6355..6750, 6358..6750		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o4.tw	Method	TBLASTX:Wheat
Start	1000	End	7031
GI	none	Score	241
Exons	1000..1161, 1002..1145, 6877..7029, 6879..7031		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223

Name	OJ990409_07.0302.C14.o2.tw	Method	TBLASTX:Wheat
Start	5571	End	5974
GI	none	Score	225
Exons	5571..5741, 5571..5759, 5572..5748, 5572..5787, 5573..5788, 5758..5946, 5760..5948, 5876..5974		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o3.tm	Method	TBLASTX:Maize
Start	8374	End	15141
GI	none	Score	115
Exons	8374..8478, 8412..8477, 8596..8688, 8610..8717, 8610..8717, 9199..9279, 9202..9426, 9210..9431, 9295..9432, 10466..10642, 10491..10781, 10494..10781, 10495..10782, 10549..10782, 10670..10783, 11060..11248, 11064..11216, 11309..11455, 11317..11457, 11331..11462, 11331..11462, 11332..11469, 12129..12218, 12131..12241, 12134..12226, 12822..13025, 12835..13035, 12836..13024, 13846..13962, 13847..13963, 13847..13966, 14418..14537, 14425..14517, 14444..14527, 15088..15141, 15089..15136		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o2.ts	Method	TBLASTX:Soybean
Start	8409	End	13893
GI	none	Score	77
Exons	8409..8477, 8416..8478, 8610..8717, 8617..8694, 8622..8717, 9200..9430, 9202..9426, 9210..9431, 10491..10781, 10495..10788, 11060..11248, 11067..11216, 11081..11218, 11280..11462, 11309..11455, 11317..11463, 11332..11463, 12137..12241, 12165..12212, 12822..12947, 12835..13035, 12836..13024, 13845..13892, 13846..13893		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o3.tc	Method	TBLASTX:Cress
Start	8412	End	9431
GI	none	Score	73
Exons	8412..8477, 8413..8478, 8416..8478, 8596..8694, 8610..8717, 9184..9420, 9207..9431, 9209..9361, 9210..9431		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o2.tc	Method	TBLASTX:Cress
Start	10509	End	12205
GI	none	Score	221
Exons	10509..10538, 10539..10781, 10540..10782, 10672..10782, 11060..11248, 11070..11216, 11309..11455, 11317..11457, 11332..11463, 12131..12205		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223

Name	OJ990409_07.0302.C14.o3.tw	Method	TBLASTX:Wheat
Start	11111	End	12870
GI	none	Score	170
Exons	11111..11248, 11112..11216, 11114..11218, 11288..11455, 11309..11455, 11317..11457, 11332..11469, 12129..12218, 12131..12241, 12143..12226, 12835..12870, 12835..12870		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o5.gp	Method	AAT/GAP
Start	19228	End	20533
GI	44255_1.R1084	Score	780
Exons	19228..19354, 19949..20070, 20257..20384, 20479..20533		
GI Descrip.	'2894288/emb|CAA17029| 5.0e-16 (AL021837) putative proteome subunit [Schizosaccharomyces pombe]'		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o2.tm	Method	TBLASTX:Maize
Start	19953	End	22223
GI	none	Score	141
Exons	19953..20033, 19957..20070, 19958..20074, 20249..20395, 20255..20386, 20257..20394, 20477..20575, 20478..20576, 20500..20607, 20643..20729, 20645..20728, 20646..20729, 20648..20737, 21001..21114, 21007..21117, 21008..21121, 21008..21127, 21192..21335, 21196..21294, 21743..21841, 21744..21842, 21747..21848, 21751..21849, 21921..22043, 21922..22044, 21923..22048, 22106..22216, 22109..22222, 22110..22223		

Seq. No.	38448	Seq. ID	OJ990409_07.0302.C14
Gene No.	79066	Strand	-
Start	19228	End	22223
Name	OJ990409_07.0302.C14.o3.ts	Method	TBLASTX:Soybean
Start	21736	End	22047
GI	none	Score	72
Exons	21736..21849, 21750..21848, 21922..22047		

Seq. No.	38449	Seq. ID	OJ990409_07.0302.C15
Gene No.	79067	Strand	+
Start	1277	End	3118
Name	OJ990409_07.0302.C15.o1.tm	Method	TBLASTX:Maize
Start	1277	End	3118
GI	none	Score	47
Exons	1277..1342, 1278..1343, 1304..1372, 1308..1373, 1321..1392, 1373..1486, 1374..1484, 1374..1490, 2237..2434, 2247..2435, 2476..2622, 2477..2653, 2481..2702, 2481..2672, 2974..3114, 2974..3114, 2975..3118		

Seq. No.	38450	Seq. ID	OJ990409_07.0302.C23
Gene No.	79068	Strand	-
Start	871	End	1306
Name	OJ990409_07.0302.C23.o1.gp	Method	AAT/GAP
Start	871	End	1306
GI	LIB3432-052-P1-K1-D9	Score	669

Exons	871..1306		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79069	Strand	-
Start	5801	End	6182
Name	OJ990409_07.0302.C24.o1.gp	Method	AAT/GAP
Start	5801	End	6182
GI	uC-osf1cyp033a04b1	Score	675
Exons	5801..6182		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o1.tm	Method	TBLASTX:Maize
Start	10412	End	12939
GI	none	Score	201
Exons	10412..10627, 10413..10655, 10716..11174, 10844..11173,	10416..10631, 10689..10736, 12613..12939, 12639..12935	
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o3.tw	Method	TBLASTX:Wheat
Start	10415	End	10634
GI	none	Score	208
Exons	10415..10633, 10416..10634,	10416..10634	
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o2.ts	Method	TBLASTX:Soybean
Start	10536	End	11174
GI	none	Score	73
Exons	10536..10637, 10836..11174,	10967..11101, 11126..11167	
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o1.tw	Method	TBLASTX:Wheat
Start	10793	End	11108
GI	none	Score	322
Exons	10793..11107, 10794..11108		
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o2.tw	Method	TBLASTX:Wheat
Start	11112	End	12948
GI	none	Score	70
Exons	11112..11177, 12607..12759, 12826..12948	12648..12812, 12813..12935,	
Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24

Gene No.	79070	Strand	
Start	10412	End	12948
Name	OJ990409_07.0302.C24.o4.ts	Method	TBLASTX:Soybean
Start	12613	End	12941
GI	none	Score	256
Exons	12613..12939, 12639..12749, 12819..12941		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79071	Strand	
Start	13746	End	14211
Name	OJ990409_07.0302.C24.o5.ts	Method	TBLASTX:Soybean
Start	13746	End	14023
GI	none	Score	48
Exons	13746..13817, 13784..14023, 13893..13976		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79071	Strand	
Start	13746	End	14211
Name	OJ990409_07.0302.C24.o3.tm	Method	TBLASTX:Maize
Start	13760	End	14005
GI	none	Score	59
Exons	13760..13858, 13766..13876, 13874..13942, 13890..13955, 13928..14005		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79071	Strand	
Start	13746	End	14211
Name	OJ990409_07.0302.C24.o6.tw	Method	TBLASTX:Wheat
Start	13799	End	14211
GI	none	Score	65
Exons	13799..14089, 14110..14211		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79072	Strand	
Start	14362	End	14907
Name	OJ990409_07.0302.C24.o6.ts	Method	TBLASTX:Soybean
Start	14362	End	14757
GI	none	Score	78
Exons	14362..14757, 14462..14656		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79072	Strand	
Start	14362	End	14907
Name	OJ990409_07.0302.C24.o4.tm	Method	TBLASTX:Maize
Start	14593	End	14907
GI	none	Score	184
Exons	14593..14907		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79073	Strand	
Start	15363	End	15843
Name	OJ990409_07.0302.C24.o4.tw	Method	TBLASTX:Wheat
Start	15363	End	15797
GI	none	Score	60
Exons	15363..15653, 15580..15654, 15708..15797		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24

Gene No.	79073	Strand	
Start	15363	End	15843
Name	OJ990409_07.0302.C24.o1.ts	Method	TBLASTX:Soybean
Start	15426	End	15843
GI	none	Score	69
Exons	15426..15668, 15436..15543, 15583..15657, 15705..15842, 15727..15843		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79074	Strand	
Start	15994	End	16398
Name	OJ990409_07.0302.C24.o3.ts	Method	TBLASTX:Soybean
Start	15994	End	16398
GI	none	Score	67
Exons	15994..16140, 15996..16181, 16171..16398, 16182..16397		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79074	Strand	
Start	15994	End	16398
Name	OJ990409_07.0302.C24.o5.tw	Method	TBLASTX:Wheat
Start	16011	End	16368
GI	none	Score	72
Exons	16011..16181, 16051..16179, 16209..16364, 16228..16368		

Seq. No.	38451	Seq. ID	OJ990409_07.0302.C24
Gene No.	79074	Strand	
Start	15994	End	16398
Name	OJ990409_07.0302.C24.o2.tm	Method	TBLASTX:Maize
Start	16149	End	16398
GI	none	Score	96
Exons	16149..16397, 16149..16397, 16150..16398		

Seq. No.	38452	Seq. ID	OJ990409_07.0302.C25
Gene No.	79075	Strand	-
Start	1435	End	1622
Name	OJ990409_07.0302.C25.o1.tm	Method	TBLASTX:Maize
Start	203	End	442
GI	none	Score	128
Exons	203..439, 203..442, 207..440		

Seq. No.	38452	Seq. ID	OJ990409_07.0302.C25
Gene No.	79075	Strand	-
Start	1435	End	1622
Name	OJ990409_07.0302.C25.o1.tw	Method	TBLASTX:Wheat
Start	203	End	494
GI	none	Score	333
Exons	203..493, 207..485, 207..494, 209..487		

Seq. No.	38452	Seq. ID	OJ990409_07.0302.C25
Gene No.	79075	Strand	-
Start	1435	End	1622
Name	OJ990409_07.0302.C25.o1.ts	Method	TBLASTX:Soybean
Start	299	End	664
GI	none	Score	131
Exons	299..430, 446..664		

Seq. No.	38452	Seq. ID	OJ990409_07.0302.C25

Gene No.	79075	Strand	-
Start	1435	End	1622
Name	OJ990409_07.0302.C25.o2.ts	Method	TBLASTX:Soybean
Start	1146	End	1439
GI	none	Score	182
Exons	1146..1439		

Seq. No.	38452	Seq. ID	OJ990409_07.0302.C25
Gene No.	79075	Strand	-
Start	1435	End	1622
Name	OJ990409_07.0302.C25.o1.gp	Method	AAT/GAP
Start	1435	End	1622
GI	2310739	Score	290
Exons	1435..1622		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	38453	Seq. ID	OJ990409_07.0302.C31
Gene No.	79076	Strand	
Start	83	End	875
Name	OJ990409_07.0302.C31.o1.tm	Method	TBLASTX:Maize
Start	83	End	516
GI	none	Score	193
Exons	83..316, 102..317, 237..320, 337..516, 339..449		

Seq. No.	38453	Seq. ID	OJ990409_07.0302.C31
Gene No.	79076	Strand	
Start	83	End	875
Name	OJ990409_07.0302.C31.o1.tw	Method	TBLASTX:Wheat
Start	83	End	875
GI	none	Score	325
Exons	83..337, 84..335, 88..336, 333..422, 334..429, 339..425, 341..490, 399..575, 415..576, 553..648, 569..652, 570..653, 654..875, 659..874		

Seq. No.	38453	Seq. ID	OJ990409_07.0302.C31
Gene No.	79076	Strand	
Start	83	End	875
Name	OJ990409_07.0302.C31.o2.ts	Method	TBLASTX:Soybean
Start	120	End	510
GI	none	Score	133
Exons	120..311, 161..316, 301..510, 340..408		

Seq. No.	38453	Seq. ID	OJ990409_07.0302.C31
Gene No.	79077	Strand	
Start	837	End	1436
Name	OJ990409_07.0302.C31.o2.tm	Method	TBLASTX:Maize
Start	837	End	1418
GI	none	Score	158
Exons	837..1211, 1230..1418		

Seq. No.	38453	Seq. ID	OJ990409_07.0302.C31
Gene No.	79077	Strand	
Start	837	End	1436
Name	OJ990409_07.0302.C31.o1.ts	Method	TBLASTX:Soybean
Start	846	End	1340
GI	none	Score	204

Exons	846..1208, 1236..1340		
Seq. No.	38453	Seq. ID	OJ990409_07.0302:C31
Gene No.	79077	Strand	
Start	837	End	1436
Name	OJ990409_07.0302.C31.o2.tw	Method	TBLASTX:Wheat
Start	948	End	1436
GI	none	Score	524
Exons	948..1436, 949..1104, 953..1435		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o2.tw	Method	TBLASTX:Wheat
Start	242	End	677
GI	none	Score	64
Exons	242..454, 245..523, 246..458, 456..677, 502..648, 512..658		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o2.ts	Method	TBLASTX:Soybean
Start	519	End	809
GI	none	Score	105
Exons	519..653, 678..809		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o1.tw	Method	TBLASTX:Wheat
Start	678	End	1343
GI	none	Score	719
Exons	678..1343, 694..1293, 707..1297		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o1.tm	Method	TBLASTX:Maize
Start	861	End	1361
GI	none	Score	199
Exons	861..1124, 941..1036, 945..1082, 1137..1220, 1206..1361		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1343
GI	none	Score	190
Exons	912..1139, 914..1141, 1140..1220, 1206..1343		
Seq. No.	38454	Seq. ID	OJ990409_07.0302.C32
Gene No.	79078	Strand	
Start	242	End	1451
Name	OJ990409_07.0302.C32.o1.tc	Method	TBLASTX:Cress
Start	924	End	1451
GI	none	Score	137
Exons	924..1142, 924..1091, 1140..1217, 1236..1451		

Seq. No.	38455	Seq. ID	OJ990409_07.0302.C36
Gene No.	79079	Strand	
Start	231	End	496
Name	OJ990409_07.0302.C36.o1.tc	Method	TBLASTX:Cress
Start	231	End	496
GI	none	Score	177
Exons	231..491, 344..496		

Seq. No.	38456	Seq. ID	OJ990409_07.0302.C41
Gene No.	79080	Strand	
Start	54	End	615
Name	OJ990409_07.0302.C41.o1.tm	Method	TBLASTX:Maize
Start	54	End	615
GI	none	Score	141
Exons	54..287, 88..330, 89..364, 98..406, 175..405, 175..366, 478..615		

Seq. No.	38457	Seq. ID	OJ990409_07.0302.C42
Gene No.	79081	Strand	
Start	472	End	747
Name	OJ990409_07.0302.C42.o1.tm	Method	TBLASTX:Maize
Start	472	End	747
GI	none	Score	54
Exons	472..597, 476..592, 622..747, 623..730		

Seq. No.	38458	Seq. ID	OJ990409_07.0302.C43
Gene No.	79082	Strand	-
Start	6790	End	7171
Name	OJ990409_07.0302.C43.o2.gp	Method	AAT/GAP
Start	6790	End	7171
GI	uC-osflcyp033a04b1	Score	651
Exons	6790..7171		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38459	Seq. ID	OJ990409_07.0302.C45
Gene No.	79083	Strand	
Start	151	End	712
Name	OJ990409_07.0302.C45.o1.tm	Method	TBLASTX:Maize
Start	151	End	712
GI	none	Score	171
Exons	151..378, 152..382, 281..394, 431..472, 442..465, 467..610, 488..712, 496..711		

Seq. No.	38459	Seq. ID	OJ990409_07.0302.C45
Gene No.	79083	Strand	
Start	151	End	712
Name	OJ990409_07.0302.C45.o1.tw	Method	TBLASTX:Wheat
Start	157	End	376
GI	none	Score	208
Exons	157..375, 158..376		

Seq. No.	38460	Seq. ID	OJ990409_07.0302.C49
Gene No.	79084	Strand	
Start	39	End	560
Name	OJ990409_07.0302.C49.o1.ts	Method	TBLASTX:Soybean
Start	39	End	466

GI	5509260	Score	196
Exons	39..209, 47..163, 209..466, 268..438, 270..461		
GI Descrip.	-		

Seq. No.	38460	Seq. ID	OJ990409_07.0302.C49
Gene No.	79084	Strand	
Start	39	End	560
Name	OJ990409_07.0302.C49.o1.tw	Method	TBLASTX:Wheat
Start	51	End	458
GI	none	Score	147
Exons	51..209, 113..163, 272..442, 276..452, 279..458		

Seq. No.	38460	Seq. ID	OJ990409_07.0302.C49
Gene No.	79084	Strand	
Start	39	End	560
Name	OJ990409_07.0302.C49.o1.tc	Method	TBLASTX:Cress
Start	87	End	347
GI	none	Score	178
Exons	87..347		

Seq. No.	38460	Seq. ID	OJ990409_07.0302.C49
Gene No.	79084	Strand	
Start	39	End	560
Name	OJ990409_07.0302.C49.o1.tm	Method	TBLASTX:Maize
Start	128	End	560
GI	none	Score	391
Exons	128..502, 129..560, 282..554		

Seq. No.	38461	Seq. ID	OJ990409_07.0302.C52
Gene No.	79085	Strand	
Start	78	End	485
Name	OJ990409_07.0302.C52.o1.tm	Method	TBLASTX:Maize
Start	78	End	407
GI	none	Score	112
Exons	78..215, 225..407, 289..405		

Seq. No.	38461	Seq. ID	OJ990409_07.0302.C52
Gene No.	79085	Strand	
Start	78	End	485
Name	OJ990409_07.0302.C52.o1.tw	Method	TBLASTX:Wheat
Start	207	End	485
GI	none	Score	78
Exons	207..485, 289..387		

Seq. No.	38462	Seq. ID	OJ990409_07.0302.C54
Gene No.	79086	Strand	
Start	376	End	579
Name	OJ990409_07.0302.C54.o1.ts	Method	TBLASTX:Soybean
Start	376	End	579
GI	none	Score	195
Exons	376..579, 376..507		

Seq. No.	38462	Seq. ID	OJ990409_07.0302.C54
Gene No.	79086	Strand	
Start	376	End	579
Name	OJ990409_07.0302.C54.o1.tc	Method	TBLASTX:Cress
Start	378	End	579

GI	none	Score	211
Exons	378..485, 379..579		
Seq. No.	38462	Seq. ID	OJ990409_07.0302.C54
Gene No.	79086	Strand	
Start	376	End	579
Name	OJ990409_07.0302.C54.o1.tm	Method	TBLASTX:Maize
Start	378	End	579
GI	none	Score	149
Exons	378..485, 381..512, 382..579,	382..579	
Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79087	Strand	+
Start	4442	End	4964
Name	OJ000116_40.0209.C4.o1.gp	Method	AAT/GAP
Start	4442	End	4964
GI	uC-osflm202104g03b1	Score	1026
Exons	4442..4964		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		
Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79088	Strand	+
Start	8509	End	8637
Name	OJ000116_40.0209.C4.o3.gp	Method	AAT/GAP
Start	8509	End	8637
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	8509..8637		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		
Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79089	Strand	+
Start	9187	End	9739
Name	OJ000116_40.0209.C4.o4.gp	Method	AAT/GAP
Start	9187	End	9739
GI	2896_1.R1084	Score	1023
Exons	9187..9739		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		
Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o4.ts	Method	TBLASTX:Soybean
Start	270	End	478
GI	none	Score	195
Exons	270..455, 270..467, 271..477,	272..478	
Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-

Start	7280	End	8285
Name	OJ000116_40.0209.C4.o4.tw	Method	TBLASTX:Wheat
Start	270	End	583
GI	none	Score	486
Exons	270..581, 270..581, 272..583, 272..583		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o5.tc	Method	TBLASTX:Cress
Start	1402	End	1739
GI	none	Score	273
Exons	1402..1647, 1405..1647, 1686..1739, 1687..1737		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o6.tm	Method	TBLASTX:Maize
Start	1456	End	1739
GI	none	Score	364
Exons	1456..1671, 1456..1710, 1670..1726, 1671..1739, 1672..1737, 1673..1738		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o2.tw	Method	TBLASTX:Wheat
Start	1691	End	2133
GI	none	Score	667
Exons	1691..2131, 1692..2117, 1693..2133		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o3.tc	Method	TBLASTX:Cress
Start	1778	End	2354
GI	none	Score	74
Exons	1778..1831, 1779..1835, 1779..1835, 1780..1836, 1837..1965, 1838..1966, 1839..1967, 1971..2147, 1973..2146, 2139..2201, 2140..2202, 2146..2211, 2147..2212, 2194..2235, 2196..2243, 2201..2248, 2202..2252, 2247..2279, 2251..2280, 2283..2354, 2287..2349		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o11.tm	Method	TBLASTX:Maize
Start	2196	End	2348
GI	none	Score	82
Exons	2196..2249, 2197..2265, 2198..2257, 2244..2303, 2251..2304, 2251..2304, 2300..2347, 2304..2348, 2307..2348		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o5.tw	Method	TBLASTX:Wheat
Start	2209	End	2610

GI	none	Score	86
Exons	2209..2283, 2210..2260, 2230..2445, 2241..2438, 2242..2445, 2425..2517, 2439..2585, 2464..2607, 2485..2610		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o10.tm	Method	TBLASTX:Maize
Start	2402	End	2792
GI	none	Score	64
Exons	2402..2455, 2406..2462, 2407..2460, 2435..2527, 2467..2523, 2521..2562, 2534..2599, 2539..2601, 2542..2604, 2608..2685, 2609..2680, 2715..2792, 2717..2779, 2718..2792		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o3.tw	Method	TBLASTX:Wheat
Start	2972	End	3568
GI	none	Score	168
Exons	2972..3100, 2976..3101, 2979..3101, 3125..3166, 3159..3242, 3164..3241, 3245..3295, 3246..3293, 3278..3403, 3279..3404, 3283..3402, 3291..3404, 3392..3568, 3397..3567		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o2.tm	Method	TBLASTX:Maize
Start	3134	End	3877
GI	none	Score	139
Exons	3134..3292, 3159..3284, 3161..3310, 3166..3306, 3279..3365, 3280..3366, 3280..3363, 3359..3529, 3359..3529, 3360..3530, 3361..3531, 3546..3578, 3547..3600, 3573..3599, 3581..3610, 3597..3704, 3598..3666, 3662..3877, 3664..3870, 3665..3871		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o7.tc	Method	TBLASTX:Cress
Start	3461	End	3804
GI	none	Score	74
Exons	3461..3547, 3463..3528, 3603..3668, 3606..3668, 3678..3803, 3682..3804, 3689..3799		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o6.ts	Method	TBLASTX:Soybean
Start	3603	End	3818
GI	none	Score	230
Exons	3603..3668, 3662..3817, 3663..3818		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o6.tw	Method	TBLASTX:Wheat
Start	4339	End	4727

GI	none	Score	83
Exons	4339..4398, 4340..4417, 4381..4419, 4442..4690, 4446..4712, 4452..4727		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o4.tm	Method	TBLASTX:Maize
Start	4424	End	4739
GI	none	Score	380
Exons	4424..4732, 4424..4732, 4425..4739, 4425..4739		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o5.ts	Method	TBLASTX:Soybean
Start	4498	End	5861
GI	none	Score	168
Exons	4498..4605, 4500..4652, 4500..4652, 5048..5212, 5058..5288, 5066..5287, 5071..5301, 5085..5288, 5551..5622, 5553..5615, 5559..5603, 5610..5672, 5682..5852, 5684..5848, 5684..5857, 5700..5861		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o9.tc	Method	TBLASTX:Cress
Start	4501	End	4661
GI	none	Score	165
Exons	4501..4605, 4502..4648, 4503..4661		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o7.tm	Method	TBLASTX:Maize
Start	4912	End	5259
GI	none	Score	94
Exons	4912..4980, 4922..5005, 5012..5221, 5023..5259, 5055..5255, 5065..5259		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o6.tc	Method	TBLASTX:Cress
Start	5071	End	6004
GI	none	Score	280
Exons	5071..5289, 5088..5288, 5556..5603, 5580..5672, 5684..5848, 5684..5848, 5700..5861, 5906..6004		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o8.tc	Method	TBLASTX:Cress
Start	6603	End	7180
GI	none	Score	37
Exons	6603..6632, 6669..6704, 6672..6701, 6694..6753, 6707..6754, 6790..6876, 6791..6865, 6882..6980, 6883..7026, 6965..7027,		

7063..7107, 7066..7107, 7136..7180

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o3.ts	Method	TBLASTX:Soybean
Start	6699	End	7748
GI	none	Score	73
Exons	6699..6749, 6707..6757, 6783..6824, 6787..6864, 6788..6814, 6826..6870, 6860..6928, 6881..6925, 6882..6935, 6925..6990, 6931..7023, 6932..7024, 6965..7036, 7119..7184, 7119..7178, 7126..7179, 7232..7393, 7235..7411, 7237..7413, 7260..7394, 7396..7440, 7414..7440, 7591..7746, 7591..7746, 7599..7748		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o8.tm	Method	TBLASTX:Maize
Start	7087	End	7280
GI	none	Score	62
Exons	7087..7116, 7090..7116, 7092..7118, 7117..7278, 7120..7278, 7121..7279, 7122..7280		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o1.tm	Method	TBLASTX:Maize
Start	7280	End	8285
GI	none	Score	230
Exons	7280..7411, 7280..7411, 7281..7412, 7399..7443, 7405..7443, 7444..7467, 7445..7471, 7474..8283, 7479..8285, 7480..8262		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o2.gp	Method	AAT/GAP
Start	7280	End	7447
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	7280..7447		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o2.ts	Method	TBLASTX:Soybean
Start	7750	End	8240
GI	none	Score	374
Exons	7750..8178, 7760..8179, 7761..8198, 8007..8198, 8217..8240		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79090	Strand	-
Start	7280	End	8285
Name	OJ000116_40.0209.C4.o4.tc	Method	TBLASTX:Cress

Start	7768	End	8198
GI	none	Score	351
Exons	7768..8178, 7769..8179, 7812..8198		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79091	Strand	
Start	8496	End	8944
Name	OJ000116_40.0209.C4.o5.tm	Method	TBLASTX:Maize
Start	8496	End	8785
GI	none	Score	167
Exons	8496..8612, 8496..8612, 8497..8616, 8603..8785, 8615..8782		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79091	Strand	
Start	8496	End	8944
Name	OJ000116_40.0209.C4.o10.tc	Method	TBLASTX:Cress
Start	8665	End	8944
GI	none	Score	166
Exons	8665..8937, 8678..8944		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o1.tc	Method	TBLASTX:Cress
Start	9121	End	9671
GI	none	Score	206
Exons	9121..9267, 9122..9289, 9128..9268, 9264..9644, 9266..9667, 9307..9663, 9456..9671		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o1.tw	Method	TBLASTX:Wheat
Start	9229	End	9660
GI	none	Score	691
Exons	9229..9273, 9230..9658, 9230..9658, 9307..9660		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o9.tm	Method	TBLASTX:Maize
Start	9266	End	9475
GI	none	Score	221
Exons	9266..9406, 9266..9403, 9267..9404, 9410..9475		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o1.ts	Method	TBLASTX:Soybean
Start	9338	End	9782
GI	none	Score	694
Exons	9338..9778, 9339..9644, 9340..9777, 9681..9782		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o3.tm	Method	TBLASTX:Maize

Start	9478	End	9792
GI	none	Score	567
Exons	9478..9792, 9479..9790		

Seq. No.	38463	Seq. ID	OJ000116_40.0209.C4
Gene No.	79092	Strand	
Start	9121	End	10081
Name	OJ000116_40.0209.C4.o2.tc	Method	TBLASTX:Cress
Start	9674	End	10081
GI	none	Score	686
Exons	9674..10081, 9674..10081		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79093	Strand	+
Start	442	End	948
Name	OJ000116_40.0209.C5.o2.gp	Method	AAT/GAP
Start	442	End	948
GI	uC-osflcyp011b01b1	Score	987
Exons	442..948		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79094	Strand	+
Start	6965	End	8068
Name	OJ000116_40.0209.C5.o7.gp	Method	AAT/GAP
Start	6965	End	8068
GI	2291_1.R1084	Score	2144
Exons	6965..8068		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79095	Strand	+
Start	8082	End	9554
Name	OJ000116_40.0209.C5.o8.gp	Method	AAT/GAP
Start	8082	End	9554
GI	3073_1.R1084	Score	2931
Exons	8082..9554		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79096	Strand	+
Start	16212	End	17033
Name	OJ000116_40.0209.C5.o9.gp	Method	AAT/GAP
Start	16212	End	17033
GI	183_1.R1084	Score	1603
Exons	16212..17033		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1)		

>gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79097	Strand	-
Start	122	End	285
Name	OJ000116_40.0209.C5.o1.gp	Method	AAT/GAP
Start	122	End	285
GI	uC-osf1cyp084g07a1	Score	201
Exons	122..285		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79098	Strand	-
Start	3420	End	3985
Name	OJ000116_40.0209.C5.o3.gp	Method	AAT/GAP
Start	3420	End	3985
GI	2798177	Score	1010
Exons	3420..3985		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79099	Strand	-
Start	4768	End	5158
Name	OJ000116_40.0209.C5.o4.gp	Method	AAT/GAP
Start	4768	End	5158
GI	5003883	Score	782
Exons	4768..5158		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79100	Strand	-
Start	5729	End	6314
Name	OJ000116_40.0209.C5.o5.gp	Method	AAT/GAP
Start	5729	End	6314
GI	481_1.R1084	Score	1023
Exons	5729..6314		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o2.ts	Method	TBLASTX:Soybean
Start	75	End	1321
GI	none	Score	57
Exons	75..119, 121..174, 123..173, 181..219, 183..215, 500..544, 501..563, 501..560, 540..1256, 552..1073, 590..1255, 1285..1314,		

1286..1321

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o2.tc	Method	TBLASTX:Cress
Start	579	End	1458
GI	none	Score	1110
Exons	579..1073, 582..1229, 584..1246, 590..1228, 1282..1353, 1284..1352, 1287..1361, 1405..1458, 1405..1458		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o7.tm	Method	TBLASTX:Maize
Start	585	End	1229
GI	none	Score	967
Exons	585..1229, 588..1055, 647..1228		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o13.tm	Method	TBLASTX:Maize
Start	1395	End	1635
GI	none	Score	290
Exons	1395..1589, 1396..1590, 1396..1587, 1591..1635, 1592..1633		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o3.ts	Method	TBLASTX:Soybean
Start	1544	End	3106
GI	none	Score	75
Exons	1544..1636, 1544..1663, 1639..1785, 1695..1784, 1801..1827, 1904..1951, 1910..1951, 2063..2518, 2081..2650, 2088..2627, 2088..2654, 2098..2652, 2558..2656, 2675..2755, 2698..2754, 2910..3086, 2912..3106		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o12.tc	Method	TBLASTX:Cress
Start	2081	End	2327
GI	none	Score	367
Exons	2081..2326, 2094..2327		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o14.tc	Method	TBLASTX:Cress
Start	2328	End	2533
GI	none	Score	316
Exons	2328..2531, 2328..2531, 2330..2533		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764

Name	OJ000116_40.0209.C5.o15.tc	Method	TBLASTX:Cress
Start	2933	End	3373
GI	none	Score	36
Exons	2933..2998, 2984..3022, 2989..3027, 3039..3083, 3126..3329, 3135..3317, 3181..3318, 3197..3322, 3326..3373		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o4.ts	Method	TBLASTX:Soybean
Start	3109	End	3887
GI	none	Score	198
Exons	3109..3315, 3126..3314, 3197..3322, 3235..3321, 3294..3389, 3324..3395, 3325..3396, 3325..3396, 3326..3397, 3326..3406, 3384..3887, 3394..3858, 3410..3880		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o8.tm	Method	TBLASTX:Maize
Start	3327	End	3795
GI	none	Score	105
Exons	3327..3389, 3328..3393, 3329..3388, 3384..3794, 3393..3794, 3394..3795		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o6.tc	Method	TBLASTX:Cress
Start	3615	End	4202
GI	none	Score	139
Exons	3615..3887, 3618..3833, 3619..3858, 3870..3929, 3902..3946, 3902..3946, 3907..3948, 3929..4102, 3935..4069, 3939..4103, 3943..4104, 3943..4113, 3972..4127, 4104..4202, 4106..4201		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o14.tm	Method	TBLASTX:Maize
Start	3803	End	4065
GI	none	Score	51
Exons	3803..3877, 3822..3881, 3823..3861, 3824..3877, 3931..4059, 3944..4060, 3944..4060, 3946..4065, 3972..4064		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o10.tm	Method	TBLASTX:Maize
Start	4082	End	4370
GI	none	Score	188
Exons	4082..4195, 4083..4199, 4083..4199, 4198..4368, 4200..4370		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o13.ts	Method	TBLASTX:Soybean
Start	4157	End	4409

GI	none	Score	91
Exons	4157..4249, 4158..4328, 4167..4328, 4168..4329, 4308..4409, 4309..4401, 4313..4402		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o2.tm	Method	TBLASTX:Maize
Start	4371	End	5887
GI	none	Score	83
Exons	4371..4424, 4371..4421, 4394..4477, 4395..4475, 4414..4476, 4426..4503, 4433..4504, 4488..4505, 4522..4761, 4524..4721, 4525..4746, 4769..5047, 4785..5048, 4789..5049, 4797..4847, 4821..5099, 4832..5110, 5054..5095, 5055..5093, 5057..5137, 5145..5189, 5150..5203, 5152..5202, 5221..5304, 5222..5869, 5222..5752, 5241..5885, 5452..5886, 5825..5887		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o14.ts	Method	TBLASTX:Soybean
Start	4854	End	5043
GI	none	Score	174
Exons	4854..5039, 4855..5043		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o3.tw	Method	TBLASTX:Wheat
Start	5145	End	5603
GI	none	Score	45
Exons	5145..5189, 5151..5189, 5152..5202, 5200..5220, 5222..5596, 5241..5594, 5241..5603, 5326..5595		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o1.ts	Method	TBLASTX:Soybean
Start	5234	End	10937
GI	none	Score	158
Exons	5234..5398, 5234..5446, 5241..5450, 5241..5468, 5441..5713, 5457..5648, 5468..5656, 5651..5710, 5671..5721, 5725..5790, 5776..6078, 5787..6077, 5896..6090, 6066..6167, 6073..6192, 6253..6486, 6269..6631, 6269..6664, 6283..6672, 6288..6674, 6535..6669, 7898..8068, 7899..8051, 8072..8179, 8076..8276, 8083..8265, 8280..8387, 8451..8600, 8451..8600, 8452..8610, 8494..8601, 8510..8605, 8595..8624, 9205..9357, 9209..9442, 9219..9443, 9447..9473, 9448..9471, 9668..10012, 9721..10011, 9722..10051, 9777..10016, 9957..10166, 9984..10181; 10084..10182, 10153..10299, 10167..10262, 10168..10266, 10258..10302, 10260..10301, 10261..10302, 10302..10481, 10304..10480, 10305..10532, 10486..10563, 10487..10564, 10542..10937, 10556..10849		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764

Name	OJ000116_40.0209.C5.o7.tc	Method	TBLASTX:Cress
Start	5234	End	5754
GI	none	Score	156
Exons	5234..5446, 5237..5407, 5241..5438, 5441..5650, 5454..5648, 5455..5715, 5648..5713, 5673..5705, 5716..5754		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o9.tw	Method	TBLASTX:Wheat
Start	5675	End	6039
GI	none	Score	60
Exons	5675..5710, 5676..5714, 5684..5752, 5694..5750, 5696..5752, 5761..6039, 5761..6036, 5778..6038		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o10.tc	Method	TBLASTX:Cress
Start	5780	End	6167
GI	none	Score	114
Exons	5780..5980, 5781..5984, 5788..5985, 5985..6032, 5985..6077, 5986..6078, 5986..6090, 6053..6085, 6066..6167, 6073..6165		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o6.tm	Method	TBLASTX:Maize
Start	5928	End	7767
GI	none	Score	75
Exons	5928..5972, 5929..5973, 5929..5973, 5973..6308, 5973..6674, 5974..6669, 7711..7767		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o6.tw	Method	TBLASTX:Wheat
Start	6192	End	6583
GI	none	Score	80
Exons	6192..6245, 6193..6246, 6194..6244, 6196..6249, 6199..6582, 6200..6583		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o8.tc	Method	TBLASTX:Cress
Start	6201	End	6672
GI	none	Score	48
Exons	6201..6233, 6307..6372, 6352..6672, 6353..6628, 6367..6666		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o10.tw	Method	TBLASTX:Wheat
Start	6615	End	14764
GI	none	Score	131
Exons	6615..6689, 6616..6690, 6616..6690, 6660..6785, 6686..6790,		

6690..6785, 6695..6820, 6804..6827, 6805..6870, 6806..6829, 6828..6875, 6860..6940, 6871..6933, 6987..7019, 6988..7020, 14678..14764

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o6.gp	Method	AAT/GAP
Start	6619	End	6882
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	6619..6882		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o11.tm	Method	TBLASTX:Maize
Start	6984	End	7307
GI	none	Score	352
Exons	6984..7232, 6985..7233, 6994..7233, 6995..7288, 7239..7307, 7251..7283		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o11.tc	Method	TBLASTX:Cress
Start	7023	End	8255
GI	none	Score	49
Exons	7023..7064, 7031..7051, 7083..7145, 7101..7145, 7138..7227, 7142..7234, 7355..7381, 7377..7421, 7530..7592, 7703..7744, 7714..7761, 7883..8068, 7884..8051, 8065..8250, 8076..8255, 8083..8238		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o5.tw	Method	TBLASTX:Wheat
Start	7107	End	7741
GI	none	Score	71
Exons	7107..7169, 7107..7265, 7108..7257, 7109..7285, 7232..7318, 7233..7319, 7242..7316, 7255..7317, 7304..7417, 7313..7420, 7318..7425, 7427..7636, 7433..7546, 7435..7614, 7494..7664, 7504..7674, 7518..7664, 7694..7741, 7708..7740		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o12.tm	Method	TBLASTX:Maize
Start	7348	End	7671
GI	none	Score	59
Exons	7348..7377, 7349..7381, 7374..7415, 7374..7421, 7378..7416, 7379..7636, 7379..7549, 7506..7664, 7507..7614, 7510..7671, 7518..7652, 7604..7663		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-

Start	6619	End	14764
Name	OJ000116_40.0209.C5.o3.tm	Method	TBLASTX:Maize
Start	7811	End	9571
GI	none	Score	37
Exons	7811..7843, 7820..8068, 7842..8051, 8056..8388, 8056..8388, 8076..8390, 8283..8390, 8343..8621, 8385..8624, 8392..8622, 8604..9062, 8616..9062, 8635..9063, 9010..9123, 9054..9128, 9071..9127, 9073..9177, 9142..9360, 9161..9475, 9170..9439, 9177..9476, 9406..9480, 9412..9480, 9441..9530, 9467..9526, 9469..9570, 9482..9571		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o1.tw	Method	TBLASTX:Wheat
Start	8292	End	9060
GI	none	Score	464
Exons	8292..8624, 8292..8621, 8602..8640, 8655..9053, 8661..9056, 8662..9060		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o9.tc	Method	TBLASTX:Cress
Start	8486	End	9002
GI	none	Score	129
Exons	8486..8584, 8487..8597, 8488..8598, 8494..8598, 8501..8599, 8648..8755, 8670..8966, 8679..9002		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o12.ts	Method	TBLASTX:Soybean
Start	8677	End	9005
GI	none	Score	137
Exons	8677..8967, 8679..9005, 8691..8972		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o4.tc	Method	TBLASTX:Cress
Start	9344	End	10232
GI	none	Score	92
Exons	9344..9442, 9347..9436, 9582..9632, 9583..9633, 9583..9660, 9584..9640, 9634..9663, 9634..9663, 9720..9887, 9721..9888, 9722..9889, 9722..9892, 9777..9893, 9903..10151, 9907..10146, 9915..10232, 10084..10152		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o4.tm	Method	TBLASTX:Maize
Start	9753	End	10582
GI	none	Score	1254
Exons	9753..10574, 9754..10575, 9777..10577, 10084..10578, 10211..10582		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o7.tw	Method	TBLASTX:Wheat
Start	9894	End	10200
GI	none	Score	448
Exons	9894..10199, 9894..10199, 10084..10200		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o1.tc	Method	TBLASTX:Cress
Start	10488	End	11705
GI	none	Score	251
Exons	10488..10661, 10488..10682, 10564..10695, 10682..10798, 10683..10802, 10806..11015, 10808..11521, 10811..11521, 11508..11606, 11518..11613, 11526..11612, 11540..11614, 11615..11695, 11619..11705, 11620..11703		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o5.tm	Method	TBLASTX:Maize
Start	10806	End	11583
GI	none	Score	304
Exons	10806..11015, 10808..11056, 10811..11056, 10885..11058, 10992..11057, 11051..11581, 11059..11583, 11060..11581, 11251..11583		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o6.ts	Method	TBLASTX:Soybean
Start	10938	End	11515
GI	none	Score	107
Exons	10938..11015, 10940..11515, 10943..11509		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o2.tw	Method	TBLASTX:Wheat
Start	11177	End	11553
GI	none	Score	598
Exons	11177..11551, 11177..11551, 11178..11552, 11251..11553		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o12.tw	Method	TBLASTX:Wheat
Start	11554	End	11781
GI	none	Score	104
Exons	11554..11613, 11556..11612, 11620..11781, 11635..11781		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o13.tc	Method	TBLASTX:Cress

Start	11935	End	12343
GI	none	Score	61
Exons	11935..11979, 11939..11974, 11966..12127, 11980..12129, 11981..12127, 12091..12129, 12114..12209, 12124..12210, 12124..12237, 12125..12211, 12212..12343, 12214..12294, 12221..12301		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o15.ts	Method	TBLASTX:Soybean
Start	12291	End	12470
GI	none	Score	52
Exons	12291..12320, 12293..12316, 12326..12466, 12330..12470		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o8.tw	Method	TBLASTX:Wheat
Start	13639	End	14124
GI	none	Score	92
Exons	13639..13716, 13639..13716, 13718..13774, 13718..13774, 13749..13829, 13754..13831, 13756..13833, 13765..13827, 13781..13846, 13791..13859, 13792..13833, 13819..13839, 13844..13894, 13844..13885, 13845..13937, 13845..13895, 13884..14123, 13884..14123, 13891..14124, 13891..14124		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79101	Strand	-
Start	6619	End	14764
Name	OJ000116_40.0209.C5.o7.ts	Method	TBLASTX:Soybean
Start	13920	End	14413
GI	none	Score	684
Exons	13920..14411, 13930..14328, 13932..14411, 14078..14413, 14291..14413		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79102	Strand	
Start	15619	End	15845
Name	OJ000116_40.0209.C5.o10.ts	Method	TBLASTX:Soybean
Start	15619	End	15845
GI	none	Score	347
Exons	15619..15843, 15621..15845		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79103	Strand	
Start	15846	End	16298
Name	OJ000116_40.0209.C5.o8.ts	Method	TBLASTX:Soybean
Start	15846	End	16298
GI	none	Score	448
Exons	15846..16163, 15846..16163, 15847..16164, 15850..16164, 16151..16228, 16151..16225, 16168..16227, 16181..16297, 16183..16296, 16212..16298		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948

Name	OJ000116_40.0209.C5.o9.tm	Method	TBLASTX:Maize
Start	16381	End	16735
GI	none	Score	564
Exons	16381..16698, 16382..16735, 16384..16734		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o5.ts	Method	TBLASTX:Soybean
Start	16411	End	17135
GI	none	Score	59
Exons	16411..16458, 16414..16455, 16454..16684, 16458..16703, 16459..16698, 16709..17017, 16710..16955, 16756..16956, 16953..17015, 16972..17016, 17008..17130, 17010..17135, 17010..17135		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o5.tc	Method	TBLASTX:Cress
Start	16423	End	16945
GI	none	Score	47
Exons	16423..16458, 16426..16455, 16454..16684, 16458..16703, 16459..16686, 16460..16711, 16708..16830, 16709..16822, 16710..16844, 16756..16824, 16822..16848, 16838..16945, 16840..16932		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o1.tm	Method	TBLASTX:Maize
Start	16737	End	17948
GI	none	Score	756
Exons	16737..17207, 16738..17946, 16739..17947, 16756..17946, 17262..17948		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o11.tw	Method	TBLASTX:Wheat
Start	16812	End	17031
GI	none	Score	99
Exons	16812..16922, 16815..16895, 16816..16899, 16879..17010, 16881..16994, 16998..17030, 16999..17031		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o16.tc	Method	TBLASTX:Cress
Start	16992	End	17152
GI	none	Score	194
Exons	16992..17147, 17003..17113, 17005..17148, 17010..17147, 17011..17151, 17012..17152		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948

Name	OJ000116_40.0209.C5.o9.ts	Method	TBLASTX:Soybean
Start	17137	End	17539
GI	none	Score	178
Exons	17137..17259, 17138..17260, 17272..17385, 17272..17385, 17355..17537, 17358..17537, 17384..17539, 17386..17538		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o4.tw	Method	TBLASTX:Wheat
Start	17407	End	17817
GI	none	Score	42
Exons	17407..17466, 17458..17817, 17473..17814		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o3.tc	Method	TBLASTX:Cress
Start	17427	End	17948
GI	none	Score	709
Exons	17427..17897, 17428..17904, 17428..17943, 17899..17946, 17904..17948, 17907..17948		

Seq. No.	38464	Seq. ID	OJ000116_40.0209.C5
Gene No.	79104	Strand	
Start	16381	End	17948
Name	OJ000116_40.0209.C5.o11.ts	Method	TBLASTX:Soybean
Start	17697	End	17948
GI	none	Score	249
Exons	17697..17894, 17697..17897, 17698..17904, 17698..17898, 17913..17948, 17914..17946		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o1.gp	Method	AAT/GAP
Start	1	End	639
GI	183_5.R1084	Score	1229
Exons	1..639		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	637
GI	none	Score	39
Exons	3..23, 22..168, 25..189, 26..196, 105..206, 252..335, 253..336, 274..336, 278..337, 330..629, 332..637, 335..637		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-

Start	1	End	1859
Name	OJ000116_40.0209.C6.o1.ts	Method	TBLASTX:Soybean
Start	56	End	832
GI	none	Score	55
Exons	56..88, 95..130, 118..180, 253..318, 255..320, 313..339, 314..340, 347..451, 374..451, 459..551, 478..534, 566..604, 665..823, 666..821, 667..831, 692..832		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o2.tc	Method	TBLASTX:Cress
Start	257	End	478
GI	none	Score	40
Exons	257..292, 282..323, 294..326, 316..453, 317..460, 318..449, 319..450, 455..478		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o1.tc	Method	TBLASTX:Cress
Start	479	End	1859
GI	none	Score	110
Exons	479..574, 479..565, 572..598, 572..598, 574..603, 665..811, 672..803, 706..804, 768..839, 858..935, 859..939, 859..939, 860..940, 932..1003, 935..1003, 936..1004, 959..1066, 973..1041, 1005..1067, 1063..1194, 1083..1199, 1085..1192, 1089..1247, 1139..1246, 1207..1251, 1265..1312, 1266..1442, 1267..1449, 1350..1451, 1352..1450, 1476..1535, 1478..1537, 1489..1542, 1544..1660, 1545..1628, 1546..1662, 1630..1755, 1639..1746, 1658..1753, 1668..1760, 1754..1780, 1754..1780, 1758..1793, 1782..1859, 1784..1858		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o2.tm	Method	TBLASTX:Maize
Start	1485	End	1612
GI	none	Score	180
Exons	1485..1610, 1486..1608, 1487..1612		

Seq. No.	38465	Seq. ID	OJ000116_40.0209.C6
Gene No.	79105	Strand	-
Start	1	End	1859
Name	OJ000116_40.0209.C6.o1.tw	Method	TBLASTX:Wheat
Start	1564	End	1859
GI	none	Score	76
Exons	1564..1659, 1564..1641, 1630..1701, 1639..1701, 1658..1702, 1671..1712, 1675..1761, 1697..1762, 1748..1825, 1765..1821, 1766..1822, 1824..1859, 1826..1858		

Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79106	Strand	+
Start	304	End	773
Name	OJ000116_40.0209.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	507
GI	none	Score	296

Exons	1..174, 2..187, 2..187, 4..192, 180..260, 194..256, 197..277, 206..505, 235..507, 235..507		
Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79106	Strand	+
Start	304	End	773
Name	OJ000116_40.0209.C7.o2.tc	Method	TBLASTX:Cress
Start	1	End	341
GI	none	Score	127
Exons	1..87, 1..87, 2..88, 76..162, 79..141, 92..163, 192..245, 194..241, 215..256, 217..261, 247..276, 254..340, 256..339, 294..341		
Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79106	Strand	+
Start	304	End	773
Name	OJ000116_40.0209.C7.o2.ts	Method	TBLASTX:Soybean
Start	2	End	308
GI	none	Score	111
Exons	2..88, 3..86, 76..141, 79..141, 92..145, 223..258, 224..259, 262..306, 264..308, 269..307		
Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79106	Strand	+
Start	304	End	773
Name	OJ000116_40.0209.C7.o1.gp	Method	AAT/GAP
Start	304	End	773
GI	uC-osf1cyp097b05b1	Score	907
Exons	304..773		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		
Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79107	Strand	
Start	719	End	963
Name	OJ000116_40.0209.C7.o1.ts	Method	TBLASTX:Soybean
Start	719	End	963
GI	none	Score	199
Exons	719..850, 719..856, 840..890, 840..896, 841..894, 902..961, 903..962, 903..962, 904..963		
Seq. No.	38466	Seq. ID	OJ000116_40.0209.C7
Gene No.	79108	Strand	
Start	982	End	1369
Name	OJ000116_40.0209.C7.o1.tc	Method	TBLASTX:Cress
Start	982	End	1369
GI	none	Score	80
Exons	982..1011, 1010..1099, 1012..1101, 1013..1102, 1077..1367, 1098..1367, 1102..1368, 1103..1369		
Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-

Start	221	End	1623
Name	OJ000116_40.0209.C8.o2.tc	Method	TBLASTX:Cress
Start	1	End	341
GI	none	Score	61
Exons	1..42, 3..50, 3..47, 48..119, 117..170, 160..339, 168..341,	49..120, 194..340	54..131, 101..211,

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o1.ts	Method	TBLASTX:Soybean
Start	118	End	743
GI	none	Score	304
Exons	118..348, 119..364, 340..465, 489..671, 496..657, 656..742,	343..486, 657..743	350..466, 396..473,

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o1.gp	Method	AAT/GAP
Start	221	End	1165
GI	688_1_R1084	Score	1769
Exons	221..1165		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o1.tc	Method	TBLASTX:Cress
Start	354	End	731
GI	none	Score	135
Exons	354..467, 355..453, 356..466, 656..730, 657..731	402..467,	489..671, 496..657,

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o3.tc	Method	TBLASTX:Cress
Start	842	End	1203
GI	none	Score	40
Exons	842..877, 848..877, 849..881, 878..991, 891..992, 939..1076, 1035..1076, 1077..1202,	853..966, 865..975, 878..976, 995..1075, 1027..1083, 1078..1203	1078..1203

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o2.ts	Method	TBLASTX:Soybean
Start	995	End	1623
GI	none	Score	133
Exons	995..1111, 996..1076, 1027..1083, 1090..1119, 1102..1155, 1115..1168, 1116..1169, 1149..1244, 1158..1250, 1161..1238, 1166..1240, 1251..1304, 1252..1302, 1253..1315, 1253..1303, 1315..1365, 1340..1366, 1455..1511, 1455..1511, 1456..1512, 1457..1513, 1511..1603, 1518..1604, 1522..1602, 1525..1608, 1526..1609, 1603..1623		

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o1.tm	Method	TBLASTX:Maize
Start	1203	End	1367
GI	none	Score	267
Exons	1203..1367, 1215..1364		

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o4.tc	Method	TBLASTX:Cress
Start	1212	End	1623
GI	none	Score	191
Exons	1212..1337, 1216..1338, 1217..1339, 1221..1340, 1270..1365, 1340..1366, 1341..1367, 1456..1488, 1457..1492, 1464..1622, 1464..1622, 1468..1623		

Seq. No.	38467	Seq. ID	OJ000116_40.0209.C8
Gene No.	79109	Strand	-
Start	221	End	1623
Name	OJ000116_40.0209.C8.o1.tw	Method	TBLASTX:Wheat
Start	1262	End	1623
GI	none	Score	143
Exons	1262..1366, 1278..1367, 1455..1478, 1455..1478, 1456..1479, 1463..1609, 1463..1603, 1464..1604, 1468..1608, 1603..1623		

Seq. No.	38468	Seq. ID	OJ000116_40.0209.C9
Gene No.	79110	Strand	-
Start	270	End	563
Name	OJ000116_40.0209.C9.o1.tc	Method	TBLASTX:Cress
Start	269	End	563
GI	none	Score	245
Exons	269..400, 270..410, 271..414, 342..416, 391..561, 399..560, 401..562, 402..563		

Seq. No.	38468	Seq. ID	OJ000116_40.0209.C9
Gene No.	79110	Strand	-
Start	270	End	563
Name	OJ000116_40.0209.C9.o1.tm	Method	TBLASTX:Maize
Start	269	End	444
GI	none	Score	295
Exons	269..442, 270..443, 352..444, 352..444		

Seq. No.	38468	Seq. ID	OJ000116_40.0209.C9
Gene No.	79110	Strand	-
Start	270	End	563
Name	OJ000116_40.0209.C9.o1.ts	Method	TBLASTX:Soybean
Start	269	End	563
GI	none	Score	81
Exons	269..340, 270..341, 277..396, 284..400, 294..410, 342..416, 391..561, 399..560, 402..563, 406..561		

Seq. No.	38468	Seq. ID	OJ000116_40.0209.C9
Gene No.	79110	Strand	-
Start	270	End	563

Name	OJ000116_40.0209.C9.o1.gp	Method	AAT/GAP
Start	270	End	563
GI	1629_2.R1084	Score	460
Exons	270..563		
GI Descrip.	'1245217/gb|U49840|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	38468	Seq. ID	OJ000116_40.0209.C9
Gene No.	79110	Strand	-
Start	270	End	563
Name	OJ000116_40.0209.C9.o2.tm	Method	TBLASTX:Maize
Start	444	End	556
GI	none	Score	180
Exons	444..554, 446..556, 447..554, 476..556		

Seq. No.	38469	Seq. ID	OJ000116_40.0209.C10
Gene No.	79111	Strand	
Start	52	End	513
Name	OJ000116_40.0209.C10.o1.tc	Method	TBLASTX:Cress
Start	52	End	513
GI	none	Score	70
Exons	52..105, 53..133, 54..98, 55..105, 93..218, 107..205, 295..312, 402..512, 403..483, 417..512, 418..513		

Seq. No.	38470	Seq. ID	OJ000116_40.0209.C11
Gene No.	79112	Strand	
Start	117	End	445
Name	OJ000116_40.0209.C11.o1.tc	Method	TBLASTX:Cress
Start	117	End	445
GI	none	Score	278
Exons	117..431, 131..430, 380..445		

Seq. No.	38470	Seq. ID	OJ000116_40.0209.C11
Gene No.	79112	Strand	
Start	117	End	445
Name	OJ000116_40.0209.C11.o1.ts	Method	TBLASTX:Soybean
Start	138	End	424
GI	none	Score	269
Exons	138..422, 138..419, 140..424		

Seq. No.	38471	Seq. ID	OJ000116_40.0209.C14
Gene No.	79113	Strand	+
Start	1	End	266
Name	OJ000116_40.0209.C14.o1.gp	Method	AAT/GAP
Start	1	End	265
GI	306_9.R1084	Score	488
Exons	1..265		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	38471	Seq. ID	OJ000116_40.0209.C14
Gene No.	79113	Strand	+
Start	1	End	266
Name	OJ000116_40.0209.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	265
GI	none	Score	62

Exons	2..37, 2..37, 29..265, 41..265, 140..184, 141..185		
Seq. No.	38471	Seq. ID	OJ000116_40.0209.C14
Gene No.	79113	Strand	+
Start	1	End	266
Name	OJ000116_40.0209.C14.o1.tw	Method	TBLASTX:Wheat
Start	2	End	266
GI	none	Score	62
Exons	2..37, 2..37, 29..259, 41..259, 140..184, 141..185, 229..264, 233..265, 234..266		
Seq. No.	38471	Seq. ID	OJ000116_40.0209.C14
Gene No.	79113	Strand	+
Start	1	End	266
Name	OJ000116_40.0209.C14.o2.tc	Method	TBLASTX:Cress
Start	44	End	265
GI	none	Score	116
Exons	44..142, 48..140, 170..208, 208..264, 209..265, 211..264		
Seq. No.	38471	Seq. ID	OJ000116_40.0209.C14
Gene No.	79114	Strand	
Start	379	End	530
Name	OJ000116_40.0209.C14.o1.tc	Method	TBLASTX:Cress
Start	379	End	530
GI	none	Score	186
Exons	379..528, 381..530		
Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79116	Strand	+
Start	5264	End	5466
Name	OJ000116_40.0209.C15.o3.gp	Method	AAT/GAP
Start	5264	End	5466
GI	6012822	Score	337
Exons	5264..5466		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome		
Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79117	Strand	-
Start	2942	End	6590
Name	OJ000116_40.0209.C15.o1.ts	Method	TBLASTX:Soybean
Start	2752	End	4794
GI	none	Score	168
Exons	2752..2988, 2764..2994, 2771..2995, 3127..3441, 3133..3447, 3134..3451, 3447..4376, 3448..4404, 4308..4415, 4310..4405, 4411..4794, 4416..4721, 4463..4792		
Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79117	Strand	-
Start	2942	End	6590
Name	OJ000116_40.0209.C15.o4.tm	Method	TBLASTX:Maize
Start	2892	End	3176
GI	none	Score	175
Exons	2892..3002, 2892..3008, 2893..3003, 2930..3022, 3014..3079, 3019..3084, 3036..3101, 3055..3093, 3096..3122, 3097..3123, 3119..3175, 3130..3174, 3134..3175, 3135..3176		
Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15

Gene No.	79117	Strand	-
Start	2942	End	6590
Name	OJ000116_40.0209.C15.o2.tc	Method	TBLASTX:Cress
Start	3619	End	4074
GI	none	Score	126
Exons	3619..3681, 3621..3683, 3693..4067, 3694..4071, 3919..4074		

Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79117	Strand	-
Start	2942	End	6590
Name	OJ000116_40.0209.C15.o1.tc	Method	TBLASTX:Cress
Start	4185	End	6590
GI	none	Score	84
Exons	4185..4259, 4186..4407, 4186..4407, 4308..4409, 4411..4869, 4463..4870, 4665..4889, 5857..5937, 5859..6203, 5865..6203, 5867..6205, 5992..6210, 6162..6359, 6197..6397, 6203..6394, 6415..6588, 6462..6590, 6471..6590		

Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79117	Strand	-
Start	2942	End	6590
Name	OJ000116_40.0209.C15.o2.ts	Method	TBLASTX:Soybean
Start	4872	End	6402
GI	none	Score	40
Exons	4872..4994, 4945..4995, 4980..5042, 5003..5041, 5090..5125, 5095..5127, 5159..5227, 5178..5240, 5193..5225, 5319..5402, 5321..5389, 5322..5396, 5560..5598, 5614..5649, 5650..5685, 5760..6359, 5765..5824, 5766..6377, 5780..6400, 5858..6400, 5980..6402		

Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79118	Strand	
Start	6495	End	6690
Name	OJ000116_40.0209.C15.o4.ts	Method	TBLASTX:Soybean
Start	6495	End	6690
GI	none	Score	177
Exons	6495..6689, 6501..6689, 6502..6690		

Seq. No.	38472	Seq. ID	OJ000116_40.0209.C15
Gene No.	79119	Strand	
Start	6692	End	6942
Name	OJ000116_40.0209.C15.o3.ts	Method	TBLASTX:Soybean
Start	6692	End	6942
GI	none	Score	125
Exons	6692..6817, 6693..6815, 6693..6818, 6694..6816, 6809..6931, 6809..6940, 6817..6942, 6817..6942		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79120	Strand	
Start	85	End	1586
Name	OJ000116_40.0209.C16.o1.ts	Method	TBLASTX:Soybean
Start	85	End	1586
GI	none	Score	328
Exons	85..156, 286..519, 296..637, 296..634, 297..638, 895..930, 957..1010, 963..1007, 1048..1350, 1070..1351, 1083..1361, 1399..1443, 1403..1444, 1443..1586, 1444..1569		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79120	Strand	
Start	85	End	1586
Name	OJ000116_40.0209.C16.o3.tc	Method	TBLASTX:Cress
Start	295	End	620
GI	none	Score	210
Exons	295..525, 295..519, 296..619, 297..620		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79120	Strand	
Start	85	End	1586
Name	OJ000116_40.0209.C16.o1.tw	Method	TBLASTX:Wheat
Start	826	End	1062
GI	none	Score	78
Exons	826..873, 827..877, 827..877, 834..878, 873..962, 881..952, 889..963, 961..1008, 964..1014, 965..1018, 966..1019, 1017..1061, 1018..1062, 1018..1062		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79120	Strand	
Start	85	End	1586
Name	OJ000116_40.0209.C16.o1.tm	Method	TBLASTX:Maize
Start	832	End	1279
GI	none	Score	680
Exons	832..1248, 833..1249, 834..1250, 1220..1279		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79120	Strand	
Start	85	End	1586
Name	OJ000116_40.0209.C16.o1.tc	Method	TBLASTX:Cress
Start	1069	End	1586
GI	none	Score	213
Exons	1069..1272, 1069..1272, 1070..1273, 1267..1356, 1268..1345, 1426..1443, 1443..1586, 1444..1584		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79121	Strand	
Start	1587	End	1946
Name	OJ000116_40.0209.C16.o2.ts	Method	TBLASTX:Soybean
Start	1587	End	1944
GI	none	Score	457
Exons	1587..1943, 1594..1944		

Seq. No.	38473	Seq. ID	OJ000116_40.0209.C16
Gene No.	79121	Strand	
Start	1587	End	1946
Name	OJ000116_40.0209.C16.o2.tc	Method	TBLASTX:Cress
Start	1612	End	1946
GI	none	Score	106
Exons	1612..1686, 1612..1725, 1619..1732, 1619..1732, 1620..1733, 1732..1944, 1734..1943, 1755..1946		

Seq. No.	38474	Seq. ID	OJ000116_40.0209.C17
Gene No.	79122	Strand	
Start	168	End	698
Name	OJ000116_40.0209.C17.o1.tc	Method	TBLASTX:Cress
Start	168	End	626

GI	none	Score	586
Exons	168..626, 170..523		
Seq. No.	38474	Seq. ID	OJ000116_40.0209.C17
Gene No.	79122	Strand	
Start	168	End	698
Name	OJ000116_40.0209.C17.o1.tm	Method	TBLASTX:Maize
Start	247	End	698
GI	none	Score	633
Exons	247..669, 249..671, 249..698		
Seq. No.	38474	Seq. ID	OJ000116_40.0209.C17
Gene No.	79122	Strand	
Start	168	End	698
Name	OJ000116_40.0209.C17.o2.ts	Method	TBLASTX:Soybean
Start	327	End	581
GI	none	Score	317
Exons	327..578, 329..517, 343..573, 345..581, 448..579		
Seq. No.	38474	Seq. ID	OJ000116_40.0209.C17
Gene No.	79123	Strand	
Start	842	End	1798
Name	OJ000116_40.0209.C17.o2.tc	Method	TBLASTX:Cress
Start	842	End	1479
GI	none	Score	268
Exons	842..1072, 842..1024, 844..1071, 1088..1174, 1111..1188, 1113..1202, 1273..1470, 1301..1468, 1301..1477, 1348..1479		
Seq. No.	38474	Seq. ID	OJ000116_40.0209.C17
Gene No.	79123	Strand	
Start	842	End	1798
Name	OJ000116_40.0209.C17.o1.ts	Method	TBLASTX:Soybean
Start	843	End	1798
GI	none	Score	90
Exons	843..929, 844..1215, 845..1219, 961..1227, 1270..1470, 1304..1468, 1328..1507, 1348..1512, 1507..1701, 1510..1704, 1511..1711, 1709..1798, 1761..1793, 1762..1797		
Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886
Name	OJ000116_40.0209.C18.o2.tc	Method	TBLASTX:Cress
Start	1	End	132
GI	none	Score	200
Exons	1..132, 3..131, 6..113		
Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886
Name	OJ000116_40.0209.C18.o1.tc	Method	TBLASTX:Cress
Start	211	End	702
GI	none	Score	684
Exons	211..702, 215..541, 285..701, 595..702		
Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886

Name	OJ000116_40.0209.C18.o1.ts	Method	TBLASTX:Soybean
Start	373	End	615
GI	none	Score	358
Exons	373..615, 373..549, 375..614		

Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886
Name	OJ000116_40.0209.C18.o1.gp	Method	AAT/GAP
Start	1428	End	1868
GI	LIB3431-005-P1-N1-A5	Score	860
Exons	1428..1868		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886
Name	OJ000116_40.0209.C18.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	1886
GI	none	Score	196
Exons	1500..1655, 1503..1676, 1510..1677, 1510..1683, 1815..1886, 1816..1884		

Seq. No.	38475	Seq. ID	OJ000116_40.0209.C18
Gene No.	79124	Strand	+
Start	1428	End	1886
Name	OJ000116_40.0209.C18.o1.tm	Method	TBLASTX:Maize
Start	1635	End	1886
GI	none	Score	58
Exons	1635..1691, 1635..1676, 1636..1680, 1687..1713, 1688..1714, 1709..1774, 1717..1755, 1726..1791, 1731..1796, 1788..1886, 1802..1885		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79125	Strand	-
Start	1	End	165
Name	OJ000116_40.0209.C20.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	2669_1.R1084	Score	299
Exons	1..165		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	166
GI	none	Score	137
Exons	1..87, 3..86, 46..87, 93..164, 100..165, 101..166		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o1.tc	Method	TBLASTX:Cress
Start	2	End	166
GI	none	Score	238
Exons	2..166, 3..164, 46..165		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o1.tw	Method	TBLASTX:Wheat
Start	2	End	166
GI	none	Score	87
Exons	2..55, 3..53, 7..60, 20..166, 39..164, 52..165		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o1.tm	Method	TBLASTX:Maize
Start	14	End	166
GI	none	Score	61
Exons	14..49, 15..53, 16..54, 39..104, 40..87, 85..165, 89..166		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o2.tc	Method	TBLASTX:Cress
Start	353	End	683
GI	none	Score	70
Exons	353..433, 354..398, 355..405, 393..446, 406..429, 407..430, 428..487, 437..487, 438..506, 439..504, 622..681, 623..679, 624..683		

Seq. No.	38476	Seq. ID	OJ000116_40.0209.C20
Gene No.	79126	Strand	-
Start	622	End	683
Name	OJ000116_40.0209.C20.o2.gp	Method	AAT/GAP
Start	622	End	683
GI	2800140	Score	101
Exons	622..683		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-111 Rice complete chloroplast genome		

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o2.tw	Method	TBLASTX:Wheat
Start	45	End	552
GI	none	Score	376
Exons	45..455, 197..454, 289..456, 456..548, 457..552		

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o1.tc	Method	TBLASTX:Cress

Start	276	End	576
GI	none	Score	99
Exons	276..449, 424..576, 459..560		

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o1.ts	Method	TBLASTX:Soybean
Start	363	End	600
GI	none	Score	95
Exons	363..449, 369..455, 457..600,	462..599, 469..600	

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o2.tm	Method	TBLASTX:Maize
Start	417	End	690
GI	none	Score	51
Exons	417..449, 457..690, 462..686,	469..687	

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o1.tw	Method	TBLASTX:Wheat
Start	559	End	1185
GI	none	Score	647
Exons	559..1185, 615..1172		

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o1.tm	Method	TBLASTX:Maize
Start	739	End	1335
GI	none	Score	215
Exons	739..891, 742..900, 747..893, 1240..1326	896..955, 897..1325, 898..1335,	

Seq. No.	38477	Seq. ID	OJ000126_12.0229.C1
Gene No.	79127	Strand	
Start	45	End	1335
Name	OJ000126_12.0229.C1.o3.tw	Method	TBLASTX:Wheat
Start	1185	End	1311
GI	none	Score	174
Exons	1185..1310, 1186..1311		

Seq. No.	38478	Seq. ID	OJ000126_12.0229.C3
Gene No.	79128	Strand	+
Start	701	End	893
Name	OJ000126_12.0229.C3.o1.gp	Method	AAT/GAP
Start	701	End	893
GI	5667165	Score	351
Exons	701..893		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79129	Strand	+

Start	11502	End	12042
Name	OJ000126_12.0229.C6.o1.gp	Method	AAT/GAP
Start	11502	End	12042
GI	none	Score	1010
Exons	11502..12042		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79130	Strand	+
Start	12456	End	13365
Name	OJ000126_12.0229.C6.o2.gp	Method	AAT/GAP
Start	12456	End	13365
GI	18475_1.R1084	Score	1770
Exons	12456..13365		
GI Descrip.	'2088653 7.0e-42 (AF002109) Hs1pro-1 related protein isolog [Arabidopsis thaliana]'		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o4.tm	Method	TBLASTX:Maize
Start	1678	End	2088
GI	none	Score	57
Exons	1678..1725, 1679..1726, 1785..1871, 1810..1890, 1817..1882, 1971..2084, 1971..2084, 1972..2088, 1972..2085		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o2.tm	Method	TBLASTX:Maize
Start	2358	End	2928
GI	none	Score	91
Exons	2358..2438, 2359..2439, 2359..2451, 2385..2450, 2544..2741, 2554..2742, 2556..2741, 2567..2764, 2820..2915, 2820..2906, 2821..2928		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o5.tm	Method	TBLASTX:Maize
Start	4217	End	4586
GI	none	Score	190
Exons	4217..4390, 4221..4409, 4407..4586, 4433..4585, 4434..4586		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o3.tm	Method	TBLASTX:Maize
Start	11463	End	12073
GI	none	Score	44
Exons	11463..11513, 11608..11667, 11609..11674, 11615..11671, 11710..11889, 11711..11905, 11756..11953, 11972..12073, 11992..12072		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o1.ts	Method	TBLASTX:Soybean

Start	11744	End	12987
GI	none	Score	175
Exons	11744..11905, 11756..11962, 12097..12276, 12098..12292, 12316..12747, 12573..12722, 12777..12887, 12838..12987, 12897..12974		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o1.tm	Method	TBLASTX:Maize
Start	12324	End	13058
GI	none	Score	147
Exons	12324..12464, 12325..12591, 12325..12489, 12564..13058, 12565..12993, 12587..12631		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o1.tc	Method	TBLASTX:Cress
Start	12445	End	12987
GI	none	Score	158
Exons	12445..12585, 12591..12722, 12592..12726, 12754..12864, 12792..12863, 12898..12987, 12921..12986		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o1.tw	Method	TBLASTX:Wheat
Start	12708	End	25775
GI	none	Score	340
Exons	12708..12989, 12709..12999, 12712..13002, 25722..25775		

Seq. No.	38479	Seq. ID	OJ000126_12.0229.C6
Gene No.	79131	Strand	-
Start	18813	End	25775
Name	OJ000126_12.0229.C6.o3.gp	Method	AAT/GAP
Start	18813	End	19100
GI	1631475	Score	519
Exons	18813..19100		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79132	Strand	+
Start	3606	End	4113
Name	OJ000126_12.0229.C10.o2.gp	Method	AAT/GAP
Start	3606	End	4113
GI	38782_1.R1084	Score	831
Exons	3606..4113		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79133	Strand	+
Start	14761	End	15302
Name	OJ000126_12.0229.C10.o3.gp	Method	AAT/GAP
Start	14761	End	15302
GI	none	Score	1040
Exons	14761..15302		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79134	Strand	-
Start	2287	End	2478
Name	OJ000126_12.0229.C10.o1.gp	Method	AAT/GAP
Start	2287	End	2478
GI	5667165	Score	348
Exons	2287..2478		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o1.ts	Method	TBLASTX:Soybean
Start	13751	End	16700
GI	none	Score	716
Exons	13751..14416, 13762..14394, 13841..14395, 15837..16079, 15860..16078, 16121..16693, 16122..16700		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o3.tm	Method	TBLASTX:Maize
Start	13774	End	14047
GI	none	Score	115
Exons	13774..13890, 13778..14047, 13778..14044		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o2.tc	Method	TBLASTX:Cress
Start	13838	End	14155
GI	none	Score	286
Exons	13838..14155, 13843..14124		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o4.tc	Method	TBLASTX:Cress
Start	14156	End	14407
GI	none	Score	89
Exons	14156..14236, 14240..14407, 14251..14406		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o1.tm	Method	TBLASTX:Maize
Start	14272	End	16372
GI	none	Score	198
Exons	14272..14394, 14273..14392, 15837..16079, 15837..16370, 16031..16135, 16121..16372, 16122..16370, 16196..16372		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o3.tc	Method	TBLASTX:Cress

Start	15858	End	16079
GI	none	Score	244
Exons	15858..16079, 15908..16066		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o1.tc	Method	TBLASTX:Cress
Start	16290	End	16685
GI	none	Score	409
Exons	16290..16685, 16319..16684		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o2.tm	Method	TBLASTX:Maize
Start	16376	End	16694
GI	none	Score	390
Exons	16376..16684, 16377..16694		

Seq. No.	38480	Seq. ID	OJ000126_12.0229.C10
Gene No.	79135	Strand	-
Start	16517	End	16981
Name	OJ000126_12.0229.C10.o4.gp	Method	AAT/GAP
Start	16517	End	16981
GI	36661_1.R1084	Score	898
Exons	16517..16981		
GI Descrip.	'3335359 9.0e-21 (AC003028) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38481	Seq. ID	OJ000126_12.0229.C13
Gene No.	79136	Strand	
Start	5	End	502
Name	OJ000126_12.0229.C13.o2.tw	Method	TBLASTX:Wheat
Start	5	End	214
GI	none	Score	101
Exons	5..163, 5..214		

Seq. No.	38481	Seq. ID	OJ000126_12.0229.C13
Gene No.	79136	Strand	
Start	5	End	502
Name	OJ000126_12.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	17	End	502
GI	none	Score	71
Exons	17..109, 95..340, 386..502		

Seq. No.	38481	Seq. ID	OJ000126_12.0229.C13
Gene No.	79137	Strand	
Start	563	End	802
Name	OJ000126_12.0229.C13.o1.tw	Method	TBLASTX:Wheat
Start	563	End	802
GI	none	Score	63
Exons	563..802, 564..665		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79138	Strand	+
Start	1	End	354

Name	OJ000126_12.0229.C14.o1.gp	Method	AAT/GAP
Start	1	End	354
GI	uC-osf1cyp033a04b1	Score	553
Exons	1..354		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79139	Strand	-
Start	2388	End	3070
Name	OJ000126_12.0229.C14.o2.gp	Method	AAT/GAP
Start	2388	End	3070
GI	4714679	Score	1126
Exons	2388..3070		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o3.tm	Method	TBLASTX:Maize
Start	2539	End	2829
GI	none	Score	114
Exons	2539..2637, 2633..2821, 2641..2829		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o5.tm	Method	TBLASTX:Maize
Start	2872	End	3076
GI	none	Score	67
Exons	2872..3075, 2879..3076		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o1.tw	Method	TBLASTX:Wheat
Start	2906	End	3159
GI	none	Score	141
Exons	2906..3139, 2908..3159		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o2.tm	Method	TBLASTX:Maize
Start	4228	End	8141
GI	none	Score	60
Exons	4228..4326, 4403..4447, 7928..8008, 7933..8127, 7934..8122, 7989..8141, 8045..8128		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	6266	End	7005
GI	none	Score	35
Exons	6266..6316, 6300..6317, 6339..6368, 6339..6368, 6459..6479,		

6460..6480, 6476..6523, 6492..6527, 6493..6528, 6616..6705, 6632..7003, 6638..6829, 6802..6888, 6961..7005

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o1.ts	Method	TBLASTX:Soybean
Start	6842	End	7159
GI	none	Score	75
Exons	6842..6910, 6961..7158, 6962..7159		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o3.gp	Method	AAT/GAP
Start	6923	End	7225
GI	uC-osf1cyp135b09a1	Score	606
Exons	6923..7225		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o2.tc	Method	TBLASTX:Cress
Start	7031	End	7221
GI	none	Score	206
Exons	7031..7213, 7033..7221		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o4.tm	Method	TBLASTX:Maize
Start	7603	End	7822
GI	none	Score	194
Exons	7603..7653, 7604..7822, 7758..7817		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o1.tc	Method	TBLASTX:Cress
Start	7610	End	8149
GI	none	Score	126
Exons	7610..7822, 7924..8148, 7925..8149		

Seq. No.	38482	Seq. ID	OJ000126_12.0229.C14
Gene No.	79140	Strand	-
Start	6923	End	8149
Name	OJ000126_12.0229.C14.o2.ts	Method	TBLASTX:Soybean
Start	7730	End	8131
GI	none	Score	67
Exons	7730..7813, 7925..8041, 7928..8131, 7931..8128		

Seq. No.	38483	Seq. ID	OJ000126_12.0229.C15
Gene No.	79141	Strand	+
Start	1038	End	1535
Name	OJ000126_12.0229.C15.o1.gp	Method	AAT/GAP

Start	1038	End	1535
GI	38782_1.R1084	Score	749
Exons	1038..1535		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	38483	Seq. ID	OJ000126_12.0229.C15
Gene No.	79142	Strand	
Start	4311	End	4516
Name	OJ000126_12.0229.C15.o1.tw	Method	TBLASTX:Wheat
Start	4311	End	4516
GI	none	Score	189
Exons	4311..4373, 4343..4516, 4441..4512		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o1.tw	Method	TBLASTX:Wheat
Start	5	End	14347
GI	none	Score	103
Exons	5..211, 13901..14305, 13902..14144, 13902..14306, 13903..14310, 13906..14307, 13910..14347		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o3.tm	Method	TBLASTX:Maize
Start	5	End	14229
GI	none	Score	42
Exons	5..211, 13874..13918, 13884..13922, 13919..14194, 13924..14229		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o2.ts	Method	TBLASTX:Soybean
Start	32	End	14310
GI	none	Score	107
Exons	32..166, 13954..14088, 14095..14310		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o6.tm	Method	TBLASTX:Maize
Start	275	End	472
GI	none	Score	140
Exons	275..472, 285..422		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o4.tw	Method	TBLASTX:Wheat
Start	296	End	709
GI	none	Score	87
Exons	296..445, 303..422, 533..709, 538..708		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-

Start	2893	End	14347
Name	OJ000126_12.0229.C16.o5.tm	Method	TBLASTX:Maize
Start	569	End	6259
GI	none	Score	44
Exons	569..652, 571..894, 754..888, 6113..6250	782..895, 6109..6225, 6110..6259,	

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o8.tw	Method	TBLASTX:Wheat
Start	739	End	6259
GI	none	Score	76
Exons	739..909, 746..844, 757..861, 5950..5973, 6095..6259, 6095..6247, 6109..6258	1012..1080, 5924..5977,	

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o4.tm	Method	TBLASTX:Maize
Start	1204	End	5865
GI	none	Score	221
Exons	1204..1605, 5399..5728, 5798..5845, 5827..5865		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o5.tw	Method	TBLASTX:Wheat
Start	1486	End	5518
GI	none	Score	60
Exons	1486..1863, 1745..1846, 5375..5518		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o1.gp	Method	AAT/GAP
Start	2893	End	3277
GI	uC-osf1cyp033a04b1	Score	682
Exons	2893..3277		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o7.tm	Method	TBLASTX:Maize
Start	11723	End	11866
GI	none	Score	127
Exons	11723..11866, 11727..11861		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o6.tw	Method	TBLASTX:Wheat
Start	11735	End	12337
GI	none	Score	74
Exons	11735..11860, 11739..11861, 12048..12332, 12053..12337		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o3.tw	Method	TBLASTX:Wheat
Start	12338	End	12719
GI	none	Score	188
Exons	12338..12718, 12369..12617, 12377..12715, 12642..12719		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o1.tm	Method	TBLASTX:Maize
Start	12524	End	12856
GI	none	Score	83
Exons	12524..12736, 12533..12856, 12546..12827		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o7.tw	Method	TBLASTX:Wheat
Start	13049	End	13348
GI	none	Score	64
Exons	13049..13348, 13160..13348		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o1.ts	Method	TBLASTX:Soybean
Start	13346	End	13711
GI	none	Score	84
Exons	13346..13711, 13551..13694		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o2.tw	Method	TBLASTX:Wheat
Start	13370	End	13790
GI	none	Score	294
Exons	13370..13789, 13395..13790		

Seq. No.	38484	Seq. ID	OJ000126_12.0229.C16
Gene No.	79143	Strand	-
Start	2893	End	14347
Name	OJ000126_12.0229.C16.o2.tm	Method	TBLASTX:Maize
Start	13463	End	13847
GI	none	Score	230
Exons	13463..13846, 13482..13847		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79144	Strand	
Start	639	End	998
Name	OJ000126_12.0229.C17.o7.tw	Method	TBLASTX:Wheat
Start	639	End	998
GI	none	Score	154
Exons	639..818, 640..825, 913..996, 924..998		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79145	Strand	
Start	999	End	1872
Name	OJ000126_12.0229.C17.o4.tw	Method	TBLASTX:Wheat
Start	999	End	1485
GI	none	Score	61
Exons	999..1457, 1002..1241, 1003..1485, 1027..1476		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79145	Strand	
Start	999	End	1872
Name	OJ000126_12.0229.C17.o5.tm	Method	TBLASTX:Maize
Start	1015	End	1302
GI	none	Score	327
Exons	1015..1302, 1116..1232		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79145	Strand	
Start	999	End	1872
Name	OJ000126_12.0229.C17.o4.tm	Method	TBLASTX:Maize
Start	1372	End	1872
GI	none	Score	153
Exons	1372..1551, 1537..1872, 1581..1850		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79145	Strand	
Start	999	End	1872
Name	OJ000126_12.0229.C17.o1.ts	Method	TBLASTX:Soybean
Start	1426	End	1821
GI	none	Score	56
Exons	1426..1458, 1426..1458, 1443..1538, 1462..1821, 1462..1770, 1578..1793		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79145	Strand	
Start	999	End	1872
Name	OJ000126_12.0229.C17.o5.tw	Method	TBLASTX:Wheat
Start	1534	End	1834
GI	none	Score	360
Exons	1534..1830, 1578..1793, 1688..1834		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79146	Strand	
Start	1836	End	2262
Name	OJ000126_12.0229.C17.o1.tw	Method	TBLASTX:Wheat
Start	1836	End	2262
GI	none	Score	607
Exons	1836..2225, 1837..2262, 1894..2247, 1898..2260		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79146	Strand	
Start	1836	End	2262
Name	OJ000126_12.0229.C17.o3.ts	Method	TBLASTX:Soybean
Start	1843	End	2088
GI	none	Score	209
Exons	1843..2088		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79146	Strand	
Start	1836	End	2262
Name	OJ000126_12.0229.C17.o2.tm	Method	TBLASTX:Maize
Start	1909	End	2262
GI	none	Score	468
Exons	1909..2262, 1929..2210, 1985..2257		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o3.tw	Method	TBLASTX:Wheat
Start	2305	End	2829
GI	none	Score	580
Exons	2305..2829, 2457..2825		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o1.tc	Method	TBLASTX:Cress
Start	2536	End	2853
GI	none	Score	101
Exons	2536..2709, 2557..2655, 2710..2853, 2712..2837		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o2.ts	Method	TBLASTX:Soybean
Start	2622	End	2877
GI	none	Score	302
Exons	2622..2867, 2629..2877, 2749..2877		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o3.tm	Method	TBLASTX:Maize
Start	2675	End	2967
GI	none	Score	85
Exons	2675..2827, 2677..2967, 2688..2867, 2919..2963		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o2.tw	Method	TBLASTX:Wheat
Start	2836	End	3428
GI	none	Score	128
Exons	2836..2985, 2931..2987, 2985..3428, 2990..3304		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o1.tm	Method	TBLASTX:Maize
Start	2985	End	3578
GI	none	Score	221
Exons	2985..3143, 2990..3136, 3140..3283, 3141..3578, 3303..3377, 3359..3436, 3483..3578		

Seq. No.	38485	Seq. ID	OJ000126_12.0229.C17
Gene No.	79147	Strand	
Start	2305	End	3761
Name	OJ000126_12.0229.C17.o6.tw	Method	TBLASTX:Wheat
Start	3429	End	3761
GI	none	Score	356
Exons	3429..3761, 3471..3740		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79148	Strand	+
Start	5775	End	6174
Name	OJ000126_12.0229.C18.o2.gp	Method	AAT/GAP
Start	5775	End	6174
GI	uC-osroM202033h10a1	Score	739
Exons	5775..6174		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79149	Strand	-
Start	3198	End	3391
Name	OJ000126_12.0229.C18.o1.gp	Method	AAT/GAP
Start	3198	End	3391
GI	5667165	Score	360
Exons	3198..3391		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79150	Strand	-
Start	6294	End	6590
Name	OJ000126_12.0229.C18.o3.gp	Method	AAT/GAP
Start	6294	End	6590
GI	572140	Score	422
Exons	6294..6590		
GI Descrip.	1345644/sp|P48422|C861_ARATH 2.0e-14 CYTOCHROME P450 86A1 (CYPLXXXVI) >gi_940446_emb_CAA62082_ (X90458) cytochrome p450 [Arabidopsis thaliana]		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79151	Strand	-
Start	7318	End	7971
Name	OJ000126_12.0229.C18.o1.ts	Method	TBLASTX:Soybean
Start	6101	End	7603
GI	none	Score	183
Exons	6101..6328, 6120..6329, 6332..6796, 6345..6779, 6668..6796, 6848..7120, 6848..7450, 7146..7451, 7170..7457, 7416..7589, 7427..7597, 7469..7603		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79151	Strand	-
Start	7318	End	7971
Name	OJ000126_12.0229.C18.o1.tc	Method	TBLASTX:Cress
Start	6122	End	7597
GI	none	Score	211
Exons	6122..6481, 6125..6481, 6138..6482, 6470..6571, 6486..6875, 6488..7450, 6933..7091, 7146..7451, 7427..7597, 7461..7574		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79151	Strand	-
Start	7318	End	7971
Name	OJ000126_12.0229.C18.o1.tm	Method	TBLASTX:Maize
Start	6173	End	7971
GI	none	Score	1820
Exons	6173..7675, 6174..7679, 6635..7681, 7715..7741, 7773..7862, 7775..7858, 7784..7879, 7785..7871, 7879..7971, 7879..7971		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79151	Strand	-
Start	7318	End	7971
Name	OJ000126_12.0229.C18.o1.tw	Method	TBLASTX:Wheat
Start	6364	End	6799
GI	none	Score	553
Exons	6364..6501, 6365..6793, 6366..6797, 6635..6799		

Seq. No.	38486	Seq. ID	OJ000126_12.0229.C18
Gene No.	79151	Strand	-
Start	7318	End	7971
Name	OJ000126_12.0229.C18.o4.gp	Method	AAT/GAP
Start	7318	End	7772
GI	uC-osroM202033a09b1	Score	874
Exons	7318..7772		
GI Descrip.	'1345644/sp|P48422|C861_ARATH 2.0e-14 CYTOCHROME P450 86A1 (CYPLXXXVI) >gi_940446_emb_CAA62082_ (X90458) cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	38487	Seq. ID	OJ000126_13.0228.C1
Gene No.	79152	Strand	+
Start	528	End	6702
Name	OJ000126_13.0228.C1.o1.gs	Method	GENSCAN
Start	528	End	6467
GI	none	Score	.64
Exons	528..617, 2216..2264, 2689..2777, 3550..3674, 4626..4786, 5651..5916, 6151..6219, 6322..6467		

Seq. No.	38487	Seq. ID	OJ000126_13.0228.C1
Gene No.	79152	Strand	+
Start	528	End	6702
Name	OJ000126_13.0228.C1.o1.gp	Method	AAT/GAP
Start	5749	End	6702
GI	2312823	Score	769
Exons	5749..5916, 6005..6067, 6151..6219, 6322..6428, 6651..6702		

Seq. No.	38487	Seq. ID	OJ000126_13.0228.C1
Gene No.	79153	Strand	-
Start	7679	End	12775
Name	OJ000126_13.0228.C1.o1.np	Method	AAT/NAP
Start	7673	End	8617
GI	4678221	Score	389
Exons	7673..8617		
GI Descrip.	(AC007135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38487	Seq. ID	OJ000126_13.0228.C1
Gene No.	79153	Strand	-

Start	7679	End	12775
Name	OJ000126_13.0228.C1.o2.gs	Method	GENSCAN
Start	7679	End	12775
GI	none	Score	.61
Exons	7679..8708, 9025..9365, 12668..12775		

Seq. No.	38487	Seq. ID	OJ000126_13.0228.C1
Gene No.	79153	Strand	-
Start	7679	End	12775
Name	OJ000126_13.0228.C1.o2.gp	Method	AAT/GAP
Start	8324	End	8638
GI	95327_1.R1084	Score	565
Exons	8324..8638		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	38488	Seq. ID	OJ000126_13.0228.C3
Gene No.	79154	Strand	+
Start	349	End	573
Name	OJ000126_13.0228.C3.o1.gs	Method	GENSCAN
Start	349	End	573
GI	none	Score	.85
Exons	349..573		

Seq. No.	38488	Seq. ID	OJ000126_13.0228.C3
Gene No.	79155	Strand	+
Start	1410	End	3471
Name	OJ000126_13.0228.C3.o2.np	Method	AAT/NAP
Start	1410	End	3471
GI	6721561	Score	134
Exons	1410..1514, 3427..3471		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38488	Seq. ID	OJ000126_13.0228.C3
Gene No.	79156	Strand	-
Start	1288	End	5338
Name	OJ000126_13.0228.C3.o1.np	Method	AAT/NAP
Start	1288	End	5338
GI	4680183	Score	129
Exons	1288..1379, 5308..5338		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79157	Strand	+
Start	6285	End	7391
Name	OJ000126_13.0228.C4.o2.np	Method	AAT/NAP
Start	6285	End	7391
GI	6815053	Score	732
Exons	6285..6429, 6929..7105, 7155..7391		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79158	Strand	+
Start	9703	End	11525
Name	OJ000126_13.0228.C4.o3.np	Method	AAT/NAP
Start	9559	End	9884
GI	6539588	Score	183
Exons	9559..9884		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79158	Strand	+
Start	9703	End	11525
Name	OJ000126_13.0228.C4.o2.gs	Method	GENSCAN
Start	9703	End	11525
GI	none	Score	.57
Exons	9703..9808, 10277..10331, 10838..11104, 11429..11525		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79158	Strand	+
Start	9703	End	11525
Name	OJ000126_13.0228.C4.o4.gp	Method	AAT/GAP
Start	10474	End	10574
GI	none	Score	130
Exons	10474..10574		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79158	Strand	+
Start	9703	End	11525
Name	OJ000126_13.0228.C4.o4.np	Method	AAT/NAP
Start	10575	End	10962
GI	769708	Score	130
Exons	10575..10679, 10902..10962		
GI Descrip.	(D32052) ORF123 [Oryza sativa]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79159	Strand	-
Start	642	End	8241
Name	OJ000126_13.0228.C4.o1.gp	Method	AAT/GAP
Start	485	End	1165
GI	34607_1.R1084	Score	1056
Exons	485..892, 988..1165		
GI Descrip.	'5306263/gb|AAD41995.1|AC006233_6 2.0e-20 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79159	Strand	-
Start	642	End	8241
Name	OJ000126_13.0228.C4.o1.gs	Method	GENSCAN
Start	642	End	8241
GI	none	Score	.42
Exons	642..892, 988..1156, 1286..1354, 1464..1609, 1704..1782, 2258..2335, 3682..3843, 4112..4741, 4905..5041, 5224..5407, 5554..5691, 8227..8241		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79159	Strand	-

Start	642	End	8241
Name	OJ000126_13.0228.C4.o1.np	Method	AAT/NAP
Start	645	End	6376
GI	5306263	Score	997
Exons	645..877, 988..1156, 1464..1582, 1698..1782, 2258..2335, 3682..3848, 4083..4432, 4526..4810, 6269..6376		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79159	Strand	-
Start	642	End	8241
Name	OJ000126_13.0228.C4.o2.gp	Method	AAT/GAP
Start	1568	End	4172
GI	3766754	Score	698
Exons	1568..1609, 1704..1782, 2258..2335, 3682..3843, 4112..4172		
GI Descrip.	5306263/gb|AAD41995.1|AC006233_6 2.0e-23 (AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79159	Strand	-
Start	642	End	8241
Name	OJ000126_13.0228.C4.o3.gp	Method	AAT/GAP
Start	4818	End	5483
GI	uC-osf1cyp014e02b1	Score	832
Exons	4818..4983, 5224..5483		
GI Descrip.	'5306263/gb|AAD41995.1|AC006233_6 2.0e-23 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79160	Strand	-
Start	12345	End	16555
Name	OJ000126_13.0228.C4.o3.gs	Method	GENSCAN
Start	12345	End	16555
GI	none	Score	.72
Exons	12345..12354, 12521..12615, 12917..13025, 13660..13688, 14723..14819, 16232..16323, 16373..16555		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o3.tm	Method	TBLASTX:Maize
Start	505	End	1043
GI	none	Score	44
Exons	505..552, 609..863, 630..896, 631..906, 745..897, 984..1043, 999..1028		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o2.ts	Method	TBLASTX:Soybean
Start	678	End	1792
GI	none	Score	50
Exons	678..818, 987..1043, 1073..1162, 1074..1157, 1286..1375, 1293..1346, 1464..1628, 1465..1617, 1687..1786, 1703..1786, 1705..1785, 1706..1792		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4

Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o1.tw	Method	TBLASTX:Wheat
Start	1028	End	1758
GI	none	Score	139
Exons	1028..1051, 1047..1154, 1049..1156, 1059..1157, 1070..1162, 1286..1351, 1286..1354, 1464..1616, 1464..1628, 1465..1617, 1687..1758, 1704..1757, 1705..1758		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o2.tm	Method	TBLASTX:Maize
Start	1059	End	4834
GI	none	Score	113
Exons	1059..1142, 1061..1156, 1062..1157, 1079..1162, 1286..1354, 1286..1354, 1445..1615, 1464..1616, 1464..1628, 1465..1617, 1687..1785, 1703..1861, 1704..1784, 1705..1785, 2255..2341, 2256..2336, 2257..2337, 3679..3843, 3682..3843, 4087..4317, 4101..4286, 4105..4332, 4112..4321, 4380..4562, 4382..4591, 4401..4562, 4749..4814, 4752..4814, 4784..4834		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o3.ts	Method	TBLASTX:Soybean
Start	2255	End	4321
GI	none	Score	88
Exons	2255..2341, 2256..2336, 3682..3843, 3682..3843, 4101..4268, 4115..4177, 4241..4321		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o1.tc	Method	TBLASTX:Cress
Start	12523	End	13319
GI	none	Score	80
Exons	12523..12615, 12911..13024, 12918..13025, 13106..13198, 13107..13199, 13293..13319		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o1.tm	Method	TBLASTX:Maize
Start	12966	End	14807
GI	none	Score	76
Exons	12966..13025, 12968..13024, 13106..13198, 13107..13199, 13110..13202, 13293..13361, 13294..13356, 13356..13538, 13424..13537, 14219..14362, 14230..14355, 14443..14544, 14447..14581, 14447..14602, 14463..14600, 14717..14806, 14727..14807		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o1.ts	Method	TBLASTX:Soybean
Start	13124	End	14788

GI	none	Score	82
Exons	13124..13198, 13125..13199, 13293..13358, 13299..13352, 13409..13537, 13410..13538, 13431..13541, 14133..14327, 14228..14356, 14228..14329, 14230..14355, 14447..14602, 14451..14609, 14463..14603, 14515..14634, 14717..14788		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o5.np	Method	AAT/NAP
Start	19057	End	19664
GI	4773907	Score	106
Exons	19057..19664		
GI Descrip.	(AF074021) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o4.gs	Method	GENSCAN
Start	19144	End	19881
GI	none	Score	1
Exons	19144..19881		

Seq. No.	38489	Seq. ID	OJ000126_13.0228.C4
Gene No.	79161	Strand	-
Start	19144	End	19962
Name	OJ000126_13.0228.C4.o5.gp	Method	AAT/GAP
Start	19666	End	19962
GI	5038576	Score	574
Exons	19666..19962		

Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.gs	Method	GENSCAN
Start	71	End	7880
GI	none	Score	.42
Exons	71..144, 2902..2952, 3720..3860, 4656..4765, 6758..6871, 6909..7053, 7479..7726, 7835..7880		

Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.gp	Method	AAT/GAP
Start	7390	End	7882
GI	4597_2.R1084	Score	421
Exons	7390..7492, 7604..7726, 7835..7882		
GI Descrip.	'131773/sp|P19951|R142_MAIZE 2.0e-62 40S RIBOSOMAL PROTEIN S14 (CLONE MCH2) >gi_82724_pir__B30097 ribosomal protein S14 (clone MCH2) - maize'		

Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	7552	End	7882
GI	none	Score	39

Exons	7552..7587, 7603..7650, 7603..7725, 7604..7726, 7640..7726, 7828..7881, 7835..7882		
Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.tc	Method	TBLASTX:Cress
Start	7576	End	7882
GI	none	Score	171
Exons	7576..7725, 7595..7726, 7835..7882, 7837..7881		
Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	7579	End	7882
GI	none	Score	204
Exons	7579..7725, 7604..7726, 7828..7881, 7835..7882		
Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.np	Method	AAT/NAP
Start	7601	End	7882
GI	131773	Score	197
Exons	7601..7726, 7835..7882		
GI Descrip.	40S RIBOSOMAL PROTEIN S14 (CLONE MCH2) gi|82724|pir||B30097 ribosomal protein S14 (clone MCH2) - maize		
Seq. No.	38490	Seq. ID	OJ000126_13.0228.C5
Gene No.	79162	Strand	+
Start	71	End	7882
Name	OJ000126_13.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	7609	End	7882
GI	none	Score	175
Exons	7609..7725, 7610..7726, 7835..7882, 7837..7881		
Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79163	Strand	+
Start	101	End	3540
Name	OJ000126_13.0228.C6.o1.np	Method	AAT/NAP
Start	101	End	1899
GI	131773	Score	390
Exons	101..220, 1034..1169, 1242..1371, 1835..1899		
GI Descrip.	40S RIBOSOMAL PROTEIN S14 (CLONE MCH2) gi|82724|pir||B30097 ribosomal protein S14 (clone MCH2) - maize		
Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79163	Strand	+
Start	101	End	3540
Name	OJ000126_13.0228.C6.o1.gp	Method	AAT/GAP
Start	1083	End	2087
GI	4597_2.R1084	Score	872
Exons	1083..1169, 1242..1371, 1835..2087		
GI Descrip.	'131773/sp|P19951|R142_MAIZE 2.0e-62 40S RIBOSOMAL PROTEIN S14 (CLONE MCH2) >gi_82724_pir__B30097 ribosomal protein S14 (clone MCH2) - maize'		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79163	Strand	+
Start	101	End	3540
Name	OJ000126_13.0228.C6.o1.gs	Method	GENSCAN
Start	1089	End	3540
GI	none	Score	.77
Exons	1089..1169, 1242..1371, 2654..2773, 3296..3540		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79164	Strand	+
Start	12128	End	13061
Name	OJ000126_13.0228.C6.o4.gs	Method	GENSCAN
Start	12128	End	13061
GI	none	Score	.63
Exons	12128..12469, 12969..13061		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.tc	Method	TBLASTX:Cress
Start	1065	End	1370
GI	none	Score	146
Exons	1065..1169, 1082..1171, 1083..1169, 1239..1370, 1240..1362, 1241..1276, 1322..1369		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	1065	End	1394
GI	none	Score	146
Exons	1065..1169, 1083..1169, 1085..1177, 1239..1394, 1241..1276, 1322..1375		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.tw	Method	TBLASTX:Wheat
Start	1065	End	1317
GI	none	Score	135
Exons	1065..1169, 1082..1171, 1084..1170, 1239..1280, 1240..1317, 1241..1303		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	1065	End	1370
GI	none	Score	140
Exons	1065..1169, 1065..1172, 1084..1173, 1085..1174, 1239..1370, 1239..1301, 1255..1362, 1322..1369		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o3.tw	Method	TBLASTX:Wheat

Start	7901	End	8625
GI	none	Score	187
Exons	7901..7942, 7931..8104, 7938..8105, 8005..8109, 8388..8483, 8392..8484, 8581..8625, 8589..8609		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o3.gs	Method	GENSCAN
Start	7916	End	11027
GI	none	Score	.94
Exons	7916..8104, 8391..8481, 8590..8849, 9601..9762, 10152..11027		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	7922	End	12235
GI	none	Score	67
Exons	7922..8011, 8024..8104, 8037..8105, 8676..8726, 8724..8855, 9676..9762, 9677..9763, 10137..10286, 10147..10281, 10314..10367, 10315..10359, 10485..10523, 10489..10524, 10518..10583, 10608..10688, 10612..10689, 10689..10784, 10690..10782, 10696..10794, 10803..11030, 10810..11031, 12173..12235		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.np	Method	AAT/NAP
Start	7922	End	12375
GI	6318659	Score	2208
Exons	7922..8104, 8391..8481, 8590..8849, 9601..9762, 10152..11036, 12167..12375		
GI Descrip.	(AF165179) cell wall invertase 2 [Zea mays]		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o1.tc	Method	TBLASTX:Cress
Start	7925	End	12214
GI	none	Score	136
Exons	7925..8104, 7926..8105, 8388..8462, 8392..8472, 8653..8847, 8676..8852, 9676..9759, 9677..9766, 10137..10289, 10147..10281, 10314..10406, 10461..10514, 10521..10598, 10608..10637, 10647..10784, 10651..10776, 10782..11033, 10810..11034, 12173..12214		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	7946	End	12214
GI	none	Score	83
Exons	7946..8110, 8676..8750, 10075..10281, 10137..10289, 10299..10409, 10470..10520, 10548..10589, 10608..10784, 10612..10782, 10782..11030, 10792..11031, 12173..12214		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o4.tw	Method	TBLASTX:Wheat
Start	10140	End	10403
GI	none	Score	80
Exons	10140..10289, 10156..10275, 10299..10403		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o2.gp	Method	AAT/GAP
Start	10758	End	12409
GI	uC-osf1M202089d09b1	Score	992
Exons	10758..11032, 12172..12409		
GI Descrip.	'3372518 3.0e-65 (AF050631) invertase [Zea mays]'		

Seq. No.	38491	Seq. ID	OJ000126_13.0228.C6
Gene No.	79165	Strand	-
Start	7916	End	12409
Name	OJ000126_13.0228.C6.o1.tw	Method	TBLASTX:Wheat
Start	10809	End	12274
GI	none	Score	115
Exons	10809..10967, 10810..10968, 10949..11026, 10962..11030, 10966..11031, 12173..12274		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79166	Strand	+
Start	2553	End	3038
Name	OJ000126_13.0228.C7.o2.gs	Method	GENSCAN
Start	2553	End	3038
GI	none	Score	.98
Exons	2553..2625, 2767..3038		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79167	Strand	+
Start	7697	End	8437
Name	OJ000126_13.0228.C7.o4.gs	Method	GENSCAN
Start	7697	End	8314
GI	none	Score	.99
Exons	7697..8314		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79167	Strand	+
Start	7697	End	8437
Name	OJ000126_13.0228.C7.o1.gp	Method	AAT/GAP
Start	7781	End	8437
GI	none	Score	1260
Exons	7781..8437		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79168	Strand	+
Start	9213	End	10896
Name	OJ000126_13.0228.C7.o5.gs	Method	GENSCAN
Start	9213	End	10896
GI	none	Score	.54

Exons	9213..9628, 9898..9982, 10362..10448, 10736..10896		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o1.np	Method	AAT/NAP
Start	4844	End	7238
GI	4105123	Score	2408
Exons	4844..5032, 5159..5252, 5360..5604, 5713..5865, 5948..6840, 7064..7238		
GI Descrip.	(AF043346) cell wall invertase; Incw3; beta-fructofuranosidase [Zea mays]		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o3.gs	Method	GENSCAN
Start	4844	End	7244
GI	none	Score	.57
Exons	4844..5032, 5159..5252, 5360..5676, 5707..5865, 5948..6831, 7064..7244		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	4856	End	7121
GI	none	Score	73
Exons	4856..4936, 4935..5033, 4946..5032, 5368..5481, 5369..5482, 5480..5608, 5707..5865, 5744..5866, 5943..6077, 5951..6190, 6179..6226, 6276..6476, 6293..6346, 6323..6493, 6494..6832, 6495..6833, 7065..7121, 7066..7104		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	4856	End	5581
GI	none	Score	221
Exons	4856..5032, 4857..5033, 5156..5254, 5159..5242, 5160..5255, 5357..5383, 5359..5496, 5360..5497, 5488..5580, 5501..5581, 5510..5581		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	4856	End	7121
GI	none	Score	73
Exons	4856..4936, 4935..5033, 4946..5032, 5368..5481, 5369..5482, 5480..5608, 5707..5865, 5744..5866, 5943..6077, 5951..6190, 6179..6226, 6276..6476, 6293..6346, 6323..6493, 6494..6832, 6495..6833, 7065..7121, 7066..7104		
Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244

Name	OJ000126_13.0228.C7.o1.tc	Method	TBLASTX:Cress
Start	4865	End	7106
GI	none	Score	142
Exons	4865..5032, 4866..5033, 5396..5602, 5407..5607, 5704..5868, 5723..5896, 5945..6205, 5952..6179, 6281..6322, 6282..6323, 6329..6442, 6330..6443, 6449..6829, 6453..6581, 6606..6830, 7065..7106		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o3.tw	Method	TBLASTX:Wheat
Start	5704	End	6110
GI	none	Score	80
Exons	5704..5832, 5906..6100, 5949..6110		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79169	Strand	-
Start	4844	End	7244
Name	OJ000126_13.0228.C7.o2.tw	Method	TBLASTX:Wheat
Start	6608	End	7112
GI	none	Score	104
Exons	6608..6766, 6609..6767, 6761..6832, 6765..6833, 6775..6846, 7065..7112		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79170	Strand	
Start	7994	End	8233
Name	OJ000126_13.0228.C7.o2.tm	Method	TBLASTX:Maize
Start	7994	End	8233
GI	none	Score	363
Exons	7994..8233, 8023..8232		

Seq. No.	38492	Seq. ID	OJ000126_13.0228.C7
Gene No.	79171	Strand	
Start	10588	End	10936
Name	OJ000126_13.0228.C7.o3.tm	Method	TBLASTX:Maize
Start	10588	End	10936
GI	none	Score	99
Exons	10588..10659, 10589..10660, 10590..10661, 10733..10798, 10735..10932, 10736..10936, 10853..10933		

Seq. No.	38493	Seq. ID	OJ000126_13.0228.C8
Gene No.	79172	Strand	+
Start	309	End	1659
Name	OJ000126_13.0228.C8.o1.gs	Method	GENSCAN
Start	309	End	1614
GI	none	Score	.79
Exons	309..392, 550..841, 1128..1162, 1427..1614		

Seq. No.	38493	Seq. ID	OJ000126_13.0228.C8
Gene No.	79172	Strand	+
Start	309	End	1659
Name	OJ000126_13.0228.C8.o1.np	Method	AAT/NAP
Start	550	End	1659
GI	1673392	Score	256
Exons	550..766, 929..1014, 1427..1659		

GI Descrip. (Z82044) unidentified transporter-ATP binding [Bacillus subtilis] gi|2633192|emb|CAB12697| (Z99108) similar to ABC transporter (ATP-binding protein) [Bacillus subtilis]

Seq. No.	38494	Seq. ID	OJ000126_13.0228.C9
Gene No.	79173	Strand	-
Start	1	End	312
Name	OJ000126_13.0228.C9.o1.np	Method	AAT/NAP
Start	1	End	312
GI	4314388	Score	107
Exons	1..118, 283..312		

GI Descrip. (AC006232) hypothetical protein [Arabidopsis thaliana]

Seq. No.	38495	Seq. ID	OJ000126_13.0228.C10
Gene No.	79174	Strand	-
Start	1	End	1922
Name	OJ000126_13.0228.C10.o1.np	Method	AAT/NAP
Start	1	End	1922
GI	4335720	Score	260
Exons	1..564, 738..1185, 1891..1922		

GI Descrip. (AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]

Seq. No.	38495	Seq. ID	OJ000126_13.0228.C10
Gene No.	79174	Strand	-
Start	1	End	1922
Name	OJ000126_13.0228.C10.o1.gs	Method	GENSCAN
Start	508	End	624
GI	none	Score	.6
Exons	508..624		

Seq. No.	38496	Seq. ID	OJ000126_13.0228.C11
Gene No.	79175	Strand	-
Start	1	End	138
Name	OJ000126_13.0228.C11.o1.np	Method	AAT/NAP
Start	1	End	138
GI	4314388	Score	102
Exons	1..138		

GI Descrip. (AC006232) hypothetical protein [Arabidopsis thaliana]

Seq. No.	38496	Seq. ID	OJ000126_13.0228.C11
Gene No.	79175	Strand	-
Start	1	End	138
Name	OJ000126_13.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	131
GI	none	Score	139
Exons	1..108, 2..127, 3..131, 3..131		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79176	Strand	+
Start	13450	End	13815
Name	OJ000126_13.0228.C14.o4.gs	Method	GENSCAN
Start	13450	End	13815
GI	none	Score	1
Exons	13450..13455, 13597..13815		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14

Gene No.	79177	Strand	-
Start	1	End	2795
Name	OJ000126_13.0228.C14.o1.np	Method	AAT/NAP
Start	1	End	2795
GI	4314388	Score	1068
Exons	1..149, 567..721, 794..939, 1072..1258, 1400..1572, 1686..1739, 2313..2378, 2462..2795		
GI Descrip.	(AC006232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79177	Strand	-
Start	1	End	2795
Name	OJ000126_13.0228.C14.o1.gs	Method	GENSCAN
Start	68	End	2795
GI	none	Score	.79
Exons	68..149, 567..721, 794..939, 1072..1258, 1400..1560, 1686..1739, 2313..2372, 2462..2795		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79178	Strand	-
Start	4254	End	4497
Name	OJ000126_13.0228.C14.o1.gp	Method	AAT/GAP
Start	4254	End	4497
GI	2227_1.R1084	Score	334
Exons	4254..4497		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79179	Strand	-
Start	11333	End	12947
Name	OJ000126_13.0228.C14.o2.np	Method	AAT/NAP
Start	11318	End	12947
GI	3449041	Score	433
Exons	11318..11481, 11618..11807, 11939..12041, 12163..12269, 12365..12576, 12868..12947		
GI Descrip.	(U73462) carbonic anhydrase [Arabidopsis thaliana]		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79179	Strand	-
Start	11333	End	12947
Name	OJ000126_13.0228.C14.o3.gs	Method	GENSCAN
Start	11333	End	12876
GI	none	Score	.94
Exons	11333..11488, 11625..11807, 11939..12041, 12163..12269, 12365..12573, 12798..12876		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79180	Strand	-
Start	16301	End	17092
Name	OJ000126_13.0228.C14.o5.gs	Method	GENSCAN
Start	16301	End	17092
GI	none	Score	.92
Exons	16301..16448, 16965..17092		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-

Start	17652	End	18415
Name	OJ000126_13.0228.C14.o3.ts	Method	TBLASTX:Soybean
Start	627	End	1259
GI	none	Score	104
Exons	627..722, 628..720, 629..721, 1089..1259	785..949, 795..941, 1073..1258,	

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o4.tm	Method	TBLASTX:Maize
Start	788	End	1502
GI	none	Score	64
Exons	788..868, 793..870, 851..949, 1068..1256, 1069..1200, 1070..1258, 1073..1258, 1393..1455, 1397..1501, 1400..1498, 1404..1502	873..941, 890..949, 1063..1251,	

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o2.tm	Method	TBLASTX:Maize
Start	1544	End	2794
GI	none	Score	67
Exons	1544..1564, 1675..1767, 1688..1738, 2311..2364, 2472..2501, 2520..2768, 2530..2772, 2753..2794		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	2520	End	9273
GI	none	Score	152
Exons	2520..2768, 2530..2772, 9172..9273		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	2523	End	2772
GI	none	Score	133
Exons	2523..2768, 2530..2772		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o5.tm	Method	TBLASTX:Maize
Start	5830	End	6112
GI	none	Score	41
Exons	5830..5859, 5887..5922, 5888..5911, 5971..6060, 5972..6061, 6056..6112, 6064..6111		

Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o2.ts	Method	TBLASTX:Soybean
Start	5954	End	6433
GI	none	Score	62

Exons	5954..6031, 5986..6033, 6064..6126, 6202..6240, 6286..6432, 6296..6433		
Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	6328	End	6678
GI	none	Score	317
Exons	6328..6612, 6335..6613, 6628..6678, 6629..6673		
Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o3.tm	Method	TBLASTX:Maize
Start	12177	End	12587
GI	none	Score	70
Exons	12177..12248, 12177..12251, 12178..12261, 12354..12587, 12362..12571		
Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o4.ts	Method	TBLASTX:Soybean
Start	12178	End	12625
GI	none	Score	78
Exons	12178..12261, 12180..12296, 12348..12422, 12362..12625		
Seq. No.	38497	Seq. ID	OJ000126_13.0228.C14
Gene No.	79181	Strand	-
Start	17652	End	18415
Name	OJ000126_13.0228.C14.o6.gs	Method	GENSCAN
Start	17652	End	18415
GI	none	Score	.93
Exons	17652..17796, 18077..18208, 18375..18415		
Seq. No.	38498	Seq. ID	OJ000126_13.0228.C15
Gene No.	79182	Strand	-
Start	94	End	452
Name	OJ000126_13.0228.C15.o1.gs	Method	GENSCAN
Start	94	End	452
GI	none	Score	.63
Exons	94..452		
Seq. No.	38499	Seq. ID	OJ000117_20.0222.C1
Gene No.	79183	Strand	+
Start	293	End	884
Name	OJ000117_20.0222.C1.o1.gs	Method	GENSCAN
Start	293	End	884
GI	none	Score	.96
Exons	293..678, 751..884		
Seq. No.	38500	Seq. ID	OJ000117_20.0222.C2
Gene No.	79184	Strand	+
Start	1004	End	1207
Name	OJ000117_20.0222.C2.o1.gs	Method	GENSCAN
Start	1004	End	1207

GI	none	Score	.53
Exons	1004..1207		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79185	Strand	+
Start	268	End	2723
Name	OJ000117_20.0222.C3.o1.gs	Method	GENSCAN
Start	268	End	2723
GI	none	Score	.91
Exons	268..293, 1521..2723		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79186	Strand	+
Start	7142	End	11151
Name	OJ000117_20.0222.C3.o3.gs	Method	GENSCAN
Start	7142	End	11151
GI	none	Score	.75
Exons	7142..7454, 7618..8654, 8794..9003, 9690..9797, 10183..10275, 10369..10479, 10575..10607, 10685..10735, 11053..11151		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79186	Strand	+
Start	7142	End	11151
Name	OJ000117_20.0222.C3.o1.gp	Method	AAT/GAP
Start	7416	End	7681
GI	4878182	Score	532
Exons	7416..7681		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79186	Strand	+
Start	7142	End	11151
Name	OJ000117_20.0222.C3.o2.gp	Method	AAT/GAP
Start	8804	End	10256
GI	4880863	Score	892
Exons	8804..9003, 9690..9797, 9888..9929, 10008..10103, 10183..10256		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79187	Strand	+
Start	12429	End	13958
Name	OJ000117_20.0222.C3.o4.gs	Method	GENSCAN
Start	12429	End	13713
GI	none	Score	.66
Exons	12429..12675, 12892..13027, 13449..13713		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79187	Strand	+
Start	12429	End	13958
Name	OJ000117_20.0222.C3.o2.np	Method	AAT/NAP
Start	12575	End	13958
GI	529706	Score	326
Exons	12575..12675, 12892..13027, 13491..13763, 13940..13958		
GI Descrip.	(U13070) similar to S. cerevisiae vacuolar aminopeptidase [Caenorhabditis elegans]		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79188	Strand	-
Start	2991	End	3580

Name	OJ000117_20.0222.C3.o2.gs	Method	GENSCAN
Start	2991	End	3580
GI	none	Score	.64
Exons	2991..3313, 3370..3580		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79189	Strand	
Start	3619	End	4384
Name	OJ000117_20.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	3619	End	4384
GI	none	Score	39
Exons	3619..3681, 3778..3828, 3950..4012, 4097..4207, 4280..4384		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79190	Strand	
Start	12618	End	13785
Name	OJ000117_20.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	12618	End	13743
GI	none	Score	104
Exons	12618..12698, 12888..13046, 12890..13045, 12935..13045, 13478..13639, 13482..13724, 13483..13725, 13492..13743		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79190	Strand	
Start	12618	End	13785
Name	OJ000117_20.0222.C3.o2.ts	Method	TBLASTX:Soybean
Start	12618	End	13032
GI	none	Score	95
Exons	12618..12713, 12722..12796, 12888..13028, 12890..13024, 12946..13032		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79190	Strand	
Start	12618	End	13785
Name	OJ000117_20.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	12965	End	13764
GI	none	Score	78
Exons	12965..13045, 12966..13049, 13468..13680, 13482..13670, 13603..13671, 13678..13764, 13701..13751		

Seq. No.	38501	Seq. ID	OJ000117_20.0222.C3
Gene No.	79190	Strand	
Start	12618	End	13785
Name	OJ000117_20.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	13491	End	13785
GI	none	Score	366
Exons	13491..13763, 13492..13785		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79191	Strand	+
Start	114	End	1557
Name	OJ000117_20.0222.C4.o1.np	Method	AAT/NAP
Start	114	End	1557
GI	6912248	Score	451
Exons	114..353, 659..791, 878..1059, 1346..1557		
GI Descrip.	aspartyl aminopeptidase gi|5902181|gb|AAD01211.2| (AF005050) aspartyl aminopeptidase [Homo sapiens]		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79191	Strand	+
Start	114	End	1557
Name	OJ000117_20.0222.C4.o1.gp	Method	AAT/GAP
Start	742	End	1305
GI	2801262	Score	376
Exons	742..791, 878..1057, 1283..1305		
GI Descrip.	5902181/gb|AAD01211.2| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	98	End	3391
GI	none	Score	224
Exons	98..244, 111..356, 323..355, 647..730, 865..1065, 880..1059, 957..1082, 1343..1456, 1345..1458, 1346..1471, 3221..3391, 3222..3380		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o4.tm	Method	TBLASTX:Maize
Start	104	End	730
GI	none	Score	237
Exons	104..355, 111..356, 647..730		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	231	End	1399
GI	none	Score	110
Exons	231..356, 656..721, 658..711, 786..902, 838..1038, 877..1023, 957..1037, 1030..1065, 1346..1399		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	883	End	1422
GI	none	Score	291
Exons	883..1065, 886..1065, 1341..1370, 1343..1420, 1345..1422, 1346..1420, 1357..1422		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	946	End	3393
GI	none	Score	171
Exons	946..1065, 949..1065, 1342..1458, 1346..1471, 3221..3391, 3222..3380, 3222..3392, 3223..3381, 3286..3393, 3323..3391		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4

Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o2.np	Method	AAT/NAP
Start	1985	End	6149
GI	6815062	Score	205
Exons	1985..2096, 2322..2437, 6130..6149		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o2.gs	Method	GENSCAN
Start	4124	End	5901
GI	none	Score	.72
Exons	4124..4357, 4427..4495, 4721..4841, 5036..5216, 5846..5901		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o3.tm	Method	TBLASTX:Maize
Start	4193	End	5080
GI	none	Score	121
Exons	4193..4348, 4193..4348, 4195..4359, 4197..4358, 4412..4492, 4421..4495, 4434..4496, 4718..4840, 4723..4845, 4728..4841, 5033..5080, 5034..5075, 5035..5079		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o4.np	Method	AAT/NAP
Start	4950	End	5411
GI	4581132	Score	103
Exons	4950..5014, 5309..5411		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38502	Seq. ID	OJ000117_20.0222.C4
Gene No.	79192	Strand	-
Start	1985	End	6149
Name	OJ000117_20.0222.C4.o2.tm	Method	TBLASTX:Maize
Start	5083	End	5415
GI	none	Score	142
Exons	5083..5214, 5083..5208, 5306..5410, 5313..5414, 5317..5415, 5317..5415		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o3.gp	Method	AAT/GAP
Start	8359	End	8973
GI	uC-osrocyp015e08b1	Score	984
Exons	8359..8688, 8794..8973		
GI Descrip.	'5902181/gb|AAD01211.2| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5

Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o4.gs	Method	GENSCAN
Start	8418	End	9515
GI	none	Score	.78
Exons	8418..8688, 8794..9515		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o4.np	Method	AAT/NAP
Start	8418	End	13403
GI	4514635	Score	980
Exons	8418..8688, 8794..9494, 13357..13403		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o4.gp	Method	AAT/GAP
Start	9295	End	9712
GI	23112_1.R1084	Score	832
Exons	9295..9712		
GI Descrip.	'4514635/dbj|BAA75476.1| 3.0e-23 (AB021175) root cap protein 1 [Zea mays]'		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o5.gs	Method	GENSCAN
Start	12559	End	13673
GI	none	Score	1
Exons	12559..12856, 12946..13673		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79193	Strand	+
Start	8418	End	13690
Name	OJ000117_20.0222.C5.o5.np	Method	AAT/NAP
Start	12568	End	13690
GI	4514635	Score	775
Exons	12568..12721, 12752..12856, 12946..13690		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79194	Strand	+
Start	14135	End	14235
Name	OJ000117_20.0222.C5.o6.np	Method	AAT/NAP
Start	14135	End	14235
GI	5777617	Score	68
Exons	14135..14235		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79195	Strand	+
Start	17465	End	21764
Name	OJ000117_20.0222.C5.o7.gs	Method	GENSCAN
Start	17465	End	20158

GI	none	Score	.51
Exons	17465..17619, 17742..17792, 17900..18026, 18370..18505, 19971..20158		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79195	Strand	+
Start	17465	End	21764
Name	OJ000117_20.0222.C5.o8.np	Method	AAT/NAP
Start	19345	End	21764
GI	6598633	Score	238
Exons	19345..19449, 19538..19697, 19979..20116, 20530..20935, 21304..21447, 21619..21764		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79196	Strand	-
Start	1	End	1264
Name	OJ000117_20.0222.C5.o1.gp	Method	AAT/GAP
Start	1	End	92
GI	LIB3432-052-P1-K1-G9	Score	157
Exons	1..92		
GI Descrip.	'4263696/gb|AAD15382| 4.0e-18 (AC006223) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79196	Strand	-
Start	1	End	1264
Name	OJ000117_20.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	1264
GI	4263696	Score	270
Exons	1..759, 1211..1264		
GI Descrip.	(AC006223) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79196	Strand	-
Start	1	End	1264
Name	OJ000117_20.0222.C5.o1.gs	Method	GENSCAN
Start	10	End	1072
GI	none	Score	.99
Exons	10..1072		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79197	Strand	-
Start	1898	End	7958
Name	OJ000117_20.0222.C5.o2.np	Method	AAT/NAP
Start	1868	End	2980
GI	4514635	Score	961
Exons	1868..2619, 2716..2980		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79197	Strand	-
Start	1898	End	7958
Name	OJ000117_20.0222.C5.o2.gs	Method	GENSCAN
Start	1898	End	2968
GI	none	Score	.99
Exons	1898..2619, 2716..2968		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79197	Strand	-
Start	1898	End	7958
Name	OJ000117_20.0222.C5.o2.gp	Method	AAT/GAP
Start	2440	End	7958
GI	uC-osrocyp015e08b1	Score	632
Exons	2440..2619, 6857..7103, 7887..7958		
GI Descrip.	'5902181/gb|AAD01211.2| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79197	Strand	-
Start	1898	End	7958
Name	OJ000117_20.0222.C5.o3.np	Method	AAT/NAP
Start	5974	End	7129
GI	4514635	Score	913
Exons	5974..6744, 6857..7129		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79197	Strand	-
Start	1898	End	7958
Name	OJ000117_20.0222.C5.o3.gs	Method	GENSCAN
Start	5998	End	7116
GI	none	Score	.85
Exons	5998..6371, 6391..6744, 6888..7116		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	11	End	274
GI	none	Score	73
Exons	11..271, 17..274		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	1928	End	13622
GI	none	Score	101
Exons	1928..2131, 1950..2123, 2033..2131, 6043..6231, 6050..6223, 6106..6231, 9282..9485, 9290..9463, 13434..13622, 13491..13610		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	2009	End	13556
GI	none	Score	88
Exons	2009..2269, 2058..2210, 2285..2452, 2307..2450, 2534..2554, 2561..2605, 6109..6369, 6158..6310, 6440..6577, 6441..6575, 6659..6679, 6686..6730, 8640..8675, 8808..8852, 8859..8879, 8961..9128, 9203..9355, 9204..9404, 12960..13004, 13011..13034, 13113..13280, 13296..13556, 13355..13513		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o3.ts	Method	TBLASTX:Soybean
Start	2039	End	13538
GI	none	Score	82
Exons	2039..2269, 2058..2216, 6139..6369, 6158..6316, 9189..9374, 9197..9355, 13296..13538, 13367..13507		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	2345	End	13151
GI	none	Score	70
Exons	2345..2554, 2348..2455, 2355..2522, 2555..2605, 6470..6679, 6473..6580, 6480..6647, 6680..6730, 8808..8858, 8859..9068, 8891..9058, 12960..13037, 13010..13150, 13011..13151		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	2447	End	13118
GI	none	Score	84
Exons	2447..2626, 2448..2522, 2574..2627, 2717..2788, 6572..6742, 6573..6647, 6699..6743, 6858..6893, 6892..6933, 8616..8687, 8795..8839, 8796..8966, 8891..8965, 12736..12855, 12947..13117, 12948..13118		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	2486	End	13079
GI	none	Score	36
Exons	2486..2629, 2487..2522, 2574..2630, 2708..2797, 2709..2789, 6611..6751, 6612..6647, 6699..6752, 6825..6893, 6851..6901, 6892..6942, 6894..6926, 8607..8696, 8609..8695, 8786..8839, 8787..8927, 8891..8926, 12775..12876, 12780..12863, 12927..13079, 12944..13078		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o7.np	Method	AAT/NAP
Start	13657	End	16595
GI	2832660	Score	424
Exons	13657..13684, 15043..15355, 15427..15959, 16495..16595		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79198	Strand	-
Start	13657	End	16595
Name	OJ000117_20.0222.C5.o6.gs	Method	GENSCAN
Start	14838	End	16503
GI	none	Score	.54

Exons	14838..15050, 15062..15355, 15427..15692, 15747..15998, 16281..16503		
Seq. No.	38503	Seq. ID	OJ000117_20.0222.C5
Gene No.	79199	Strand	
Start	21170	End	21412
Name	OJ000117_20.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	21170	End	21412
GI	none	Score	218
Exons	21170..21373, 21179..21412, 21183..21410		
Seq. No.	38504	Seq. ID	OJ000117_20.0222.C6
Gene No.	79200	Strand	+
Start	1	End	1454
Name	OJ000117_20.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	1454
GI	6598633	Score	143
Exons	1..148, 263..389, 479..704, 1231..1454		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38504	Seq. ID	OJ000117_20.0222.C6
Gene No.	79200	Strand	+
Start	1	End	1454
Name	OJ000117_20.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	49	End	396
GI	none	Score	94
Exons	49..138, 51..137, 220..396		
Seq. No.	38504	Seq. ID	OJ000117_20.0222.C6
Gene No.	79200	Strand	+
Start	1	End	1454
Name	OJ000117_20.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	514	End	1323
GI	none	Score	281
Exons	514..729, 515..730, 516..731, 523..741, 802..861, 804..866, 807..866, 1215..1319, 1216..1323, 1228..1323		
Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79201	Strand	+
Start	397	End	3531
Name	OJ000117_20.0222.C7.o1.gs	Method	GENSCAN
Start	397	End	3353
GI	none	Score	73
Exons	397..428, 936..1140, 1212..1328, 1639..1720, 1831..1925, 2058..2091, 2369..2679, 2754..2829, 2928..3091, 3234..3353		
Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79201	Strand	+
Start	397	End	3531
Name	OJ000117_20.0222.C7.o1.np	Method	AAT/NAP
Start	935	End	3378
GI	6006718	Score	792
Exons	935..1162, 1249..1328, 1474..1542, 1639..1754, 1834..1925, 2058..2132, 2317..2679, 2754..2829, 2928..3091, 3234..3378		
GI Descrip.	(AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]		
Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7

Gene No.	79201	Strand	+
Start	397	End	3531
Name	OJ000117_20.0222.C7.o1.gp	Method	AAT/GAP
Start	2415	End	3531
GI	70833_1.R1084	Score	1447
Exons	2415..2679, 2754..2829, 2928..3091, 3234..3531		
GI Descrip.	'6006718/gb|AAF00582.1|AF109376_1 4.0e-26 (AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]'		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	178	End	704
GI	none	Score	95
Exons	178..276, 194..283, 328..426, 357..428, 359..430, 518..574, 527..574, 535..684, 566..691, 591..704		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o3.ts	Method	TBLASTX:Soybean
Start	999	End	1345
GI	none	Score	85
Exons	999..1082, 1000..1071, 1077..1163, 1078..1167, 1247..1345, 1248..1340		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	2302	End	2672
GI	none	Score	378
Exons	2302..2562, 2306..2539, 2307..2561, 2314..2562, 2521..2670, 2574..2672		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	2302	End	2542
GI	none	Score	262
Exons	2302..2532, 2309..2542, 2310..2531		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o2.gs	Method	GENSCAN
Start	4779	End	5438
GI	none	Score	1
Exons	4779..5438		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	4859	End	5066

GI	none	Score	285
Exons	4859..5020, 4863..5066		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	4865	End	5357
GI	none	Score	116
Exons	4865..4948, 4866..4946, 4949..5023, 4950..5066, 5070..5162, 5268..5357		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	4865	End	5162
GI	none	Score	120
Exons	4865..4927, 4866..4937, 4935..5066, 4949..5023, 5070..5162		

Seq. No.	38505	Seq. ID	OJ000117_20.0222.C7
Gene No.	79202	Strand	+
Start	4779	End	5438
Name	OJ000117_20.0222.C7.o2.np	Method	AAT/NAP
Start	4875	End	5435
GI	4581145	Score	300
Exons	4875..5435		
GI Descrip.	(AC006919) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	38506	Seq. ID	OJ000117_20.0222.C8
Gene No.	79203	Strand	-
Start	644	End	737
Name	OJ000117_20.0222.C8.o1.gp	Method	AAT/GAP
Start	644	End	737
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	644..737		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38507	Seq. ID	OJ000117_20.0222.C10
Gene No.	79204	Strand	-
Start	1214	End	2906
Name	OJ000117_20.0222.C10.o1.gp	Method	AAT/GAP
Start	942	End	2834
GI	none	Score	1238
Exons	942..1324, 2556..2834		

Seq. No.	38507	Seq. ID	OJ000117_20.0222.C10
Gene No.	79204	Strand	-
Start	1214	End	2906
Name	OJ000117_20.0222.C10.o1.np	Method	AAT/NAP
Start	1175	End	2612
GI	4678952	Score	71
Exons	1175..1341, 2440..2612		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	38507	Seq. ID	OJ000117_20.0222.C10
Gene No.	79204	Strand	-
Start	1214	End	2906
Name	OJ000117_20.0222.C10.o1.gs	Method	GENSCAN
Start	1214	End	2906
GI	none	Score	.6
Exons	1214..1324, 2556..2906		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79205	Strand	+
Start	653	End	1206
Name	OJ000117_20.0222.C11.o1.gp	Method	AAT/GAP
Start	653	End	1206
GI	none	Score	1092
Exons	653..1206		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058
Name	OJ000117_20.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	1110	End	2058
GI	none	Score	159
Exons	1110..1229, 1112..1228, 1144..1230, 1312..1458, 1313..1459, 1319..1459, 1324..1461, 1530..1628, 1536..1628, 1709..1819, 1712..1804, 1719..1820, 1912..2046, 1913..2047, 1914..2048, 1956..2057, 1975..2058		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058
Name	OJ000117_20.0222.C11.o1.gs	Method	GENSCAN
Start	1111	End	1981
GI	none	Score	.97
Exons	1111..1226, 1321..1456, 1536..1628, 1719..1820, 1913..1981		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058
Name	OJ000117_20.0222.C11.o1.np	Method	AAT/NAP
Start	1117	End	2058
GI	6579211	Score	750
Exons	1117..1226, 1321..1456, 1536..1628, 1719..1820, 1913..2058		
GI Descrip.	(AC011438) T23G18.6 [Arabidopsis thaliana]		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058
Name	OJ000117_20.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	1118	End	2048
GI	none	Score	93
Exons	1118..1228, 1144..1230, 1313..1459, 1319..1459, 1530..1628, 1534..1629, 1717..1791, 1719..1820, 1913..2047, 1914..2048		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058

Name	OJ000117_20.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	1144	End	2048
GI	none	Score	67
Exons	1144..1230, 1145..1228, 1313..1426, 1319..1459, 1320..1457, 1321..1458, 1530..1628, 1534..1629, 1712..1804, 1716..1823, 1719..1820, 1913..2047, 1914..2048		

Seq. No.	38508	Seq. ID	OJ000117_20.0222.C11
Gene No.	79206	Strand	-
Start	1111	End	2058
Name	OJ000117_20.0222.C11.o2.gp	Method	AAT/GAP
Start	1795	End	2058
GI	LIB3431-010-P1-K1-D3	Score	280
Exons	1795..1820, 1913..2058		
GI Descrip.	'3860247 6.0e-42 (AC005824) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.np	Method	AAT/NAP
Start	1	End	1272
GI	6579211	Score	603
Exons	1..39, 595..730, 821..913, 997..1272		
GI Descrip.	(AC011438) T23G18.6 [Arabidopsis thaliana]		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	621	End	1251
GI	none	Score	180
Exons	621..731, 623..730, 663..734, 676..741, 816..914, 830..913, 883..915, 997..1086, 1000..1251, 1004..1249		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	621	End	1254
GI	none	Score	139
Exons	621..731, 623..730, 819..914, 819..902, 830..913, 979..1071, 998..1024, 1000..1254, 1004..1114, 1166..1252		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	623	End	1255
GI	none	Score	60
Exons	623..724, 626..730, 627..731, 819..914, 830..910, 1000..1254, 1004..1255		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.gp	Method	AAT/GAP

Start	834	End	1459
GI	55677_1.R1084	Score	1018
Exons	834..913, 997..1459		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38509	Seq. ID	OJ000117_20.0222.C12
Gene No.	79207	Strand	-
Start	1	End	1459
Name	OJ000117_20.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	997	End	1258
GI	none	Score	108
Exons	997..1086, 998..1024, 1000..1257, 1004..1258		

Seq. No.	38510	Seq. ID	OJ000117_20.0222.C13
Gene No.	79208	Strand	+
Start	2203	End	2953
Name	OJ000117_20.0222.C13.o1.gs	Method	GENSCAN
Start	2203	End	2953
GI	none	Score	.82
Exons	2203..2341, 2683..2953		

Seq. No.	38510	Seq. ID	OJ000117_20.0222.C13
Gene No.	79209	Strand	-
Start	7928	End	17174
Name	OJ000117_20.0222.C13.o2.gs	Method	GENSCAN
Start	7928	End	17174
GI	none	Score	.61
Exons	7928..8017, 8109..8159, 8256..8288, 8386..8499, 8642..8692, 9137..9241, 9344..9601, 11057..11734, 12051..12266, 12332..12492, 12535..13395, 15594..15849, 16408..16538, 16854..16895, 17162..17174		

Seq. No.	38510	Seq. ID	OJ000117_20.0222.C13
Gene No.	79209	Strand	-
Start	7928	End	17174
Name	OJ000117_20.0222.C13.o1.np	Method	AAT/NAP
Start	12352	End	13313
GI	4836908	Score	454
Exons	12352..12860, 12904..13313		
GI Descrip.	(AC007153) similar to Na/H antiporter proteins [Arabidopsis thaliana]		

Seq. No.	38510	Seq. ID	OJ000117_20.0222.C13
Gene No.	79209	Strand	-
Start	7928	End	17174
Name	OJ000117_20.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	12740	End	13159
GI	none	Score	74
Exons	12740..12847, 12959..13063, 13100..13159		

Seq. No.	38510	Seq. ID	OJ000117_20.0222.C13
Gene No.	79209	Strand	-
Start	7928	End	17174
Name	OJ000117_20.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	12818	End	13127
GI	none	Score	46

Exons	12818..12865, 12822..12866, 12947..13069, 12954..13019, 12977..13081, 13097..13126, 13104..13127		
Seq. No.	38511	Seq. ID	OJ000117_20.0222.C15
Gene No.	79210	Strand	+
Start	193	End	411
Name	OJ000117_20.0222.C15.o1.gs	Method	GENSCAN
Start	193	End	411
GI	none	Score	.64
Exons	193..411		
Seq. No.	38511	Seq. ID	OJ000117_20.0222.C15
Gene No.	79211	Strand	-
Start	1943	End	2005
Name	OJ000117_20.0222.C15.o2.gs	Method	GENSCAN
Start	1943	End	2005
GI	none	Score	1
Exons	1943..2005		
Seq. No.	38512	Seq. ID	OJ000117_20.0222.C17
Gene No.	79212	Strand	+
Start	162	End	317
Name	OJ000117_20.0222.C17.o1.gs	Method	GENSCAN
Start	162	End	317
GI	none	Score	.54
Exons	162..317		
Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79213	Strand	+
Start	211	End	2183
Name	OJ000117_20.0222.C18.o1.gs	Method	GENSCAN
Start	211	End	2183
GI	none	Score	.86
Exons	211..335, 468..910, 1001..1098, 1307..1412, 2022..2183		
Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79214	Strand	+
Start	10089	End	10944
Name	OJ000117_20.0222.C18.o3.gs	Method	GENSCAN
Start	10089	End	10944
GI	none	Score	.67
Exons	10089..10390, 10553..10793, 10864..10944		
Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79215	Strand	+
Start	14495	End	14745
Name	OJ000117_20.0222.C18.o2.gp	Method	AAT/GAP
Start	14495	End	14745
GI	3761181	Score	409
Exons	14495..14745		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79216	Strand	+
Start	18721	End	19345
Name	OJ000117_20.0222.C18.o6.gs	Method	GENSCAN

Start	18721	End	19345
GI	none	Score	.57
Exons	18721..18882, 19109..19345		

Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79217	Strand	-
Start	2861	End	7594
Name	OJ000117_20.0222.C18.o2.gs	Method	GENSCAN
Start	2861	End	7594
GI	none	Score	.62
Exons	2861..3048, 4370..4498, 4690..4966, 5265..5296, 5627..5637, 6919..7043, 7356..7378, 7483..7594		

Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79217	Strand	-
Start	2861	End	7594
Name	OJ000117_20.0222.C18.o1.gp	Method	AAT/GAP
Start	3267	End	4430
GI	701551	Score	809
Exons	3267..3636, 4370..4430		

Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79218	Strand	-
Start	10172	End	19450
Name	OJ000117_20.0222.C18.o1.np	Method	AAT/NAP
Start	10172	End	19450
GI	5091513	Score	1185
Exons	10172..10426, 13158..13300, 16241..16559, 17137..17955, 18791..19450		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79219	Strand	-
Start	19740	End	21192
Name	OJ000117_20.0222.C18.o7.gs	Method	GENSCAN
Start	19740	End	21192
GI	none	Score	.75
Exons	19740..19956, 20499..20714, 21095..21192		

Seq. No.	38513	Seq. ID	OJ000117_20.0222.C18
Gene No.	79219	Strand	-
Start	19740	End	21192
Name	OJ000117_20.0222.C18.o3.gp	Method	AAT/GAP
Start	20745	End	20994
GI	3761181	Score	403
Exons	20745..20994		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	38514	Seq. ID	OJ000117_20.0222.C19
Gene No.	79220	Strand	-
Start	1869	End	3777
Name	OJ000117_20.0222.C19.o1.gs	Method	GENSCAN
Start	1869	End	3777
GI	none	Score	.67
Exons	1869..1958, 2432..2464, 2568..2681, 2824..2874, 3322..3426, 3520..3777		

Seq. No.	38515	Seq. ID	OJ000117_20.0222.C20
Gene No.	79221	Strand	-
Start	944	End	1012
Name	OJ000117_20.0222.C20.o1.gp	Method	AAT/GAP
Start	944	End	1012
GI	3760640	Score	90
Exons	944..1012		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38516	Seq. ID	OJ000117_20.0222.C21
Gene No.	79222	Strand	+
Start	341	End	443
Name	OJ000117_20.0222.C21.o1.gs	Method	GENSCAN
Start	341	End	443
GI	none	Score	.8
Exons	341..443		

Seq. No.	38517	Seq. ID	OJ000117_20.0222.C23
Gene No.	79223	Strand	-
Start	263	End	374
Name	OJ000117_20.0222.C23.o1.gs	Method	GENSCAN
Start	263	End	374
GI	none	Score	.55
Exons	263..374		

Seq. No.	38518	Seq. ID	OJ000117_20.0222.C24
Gene No.	79224	Strand	-
Start	1	End	739
Name	OJ000117_20.0222.C24.o1.np	Method	AAT/NAP
Start	1	End	739
GI	5091513	Score	740
Exons	1..631, 709..739		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38518	Seq. ID	OJ000117_20.0222.C24
Gene No.	79224	Strand	-
Start	1	End	739
Name	OJ000117_20.0222.C24.o1.gs	Method	GENSCAN
Start	92	End	674
GI	none	Score	.98
Exons	92..674		

Seq. No.	38519	Seq. ID	OJ000117_20.0222.C25
Gene No.	79225	Strand	-
Start	1	End	741
Name	OJ000117_20.0222.C25.o1.np	Method	AAT/NAP
Start	1	End	741
GI	5091513	Score	927
Exons	1..741		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38519	Seq. ID	OJ000117_20.0222.C25
Gene No.	79225	Strand	-
Start	1	End	741
Name	OJ000117_20.0222.C25.o1.gs	Method	GENSCAN

Start	11	End	484
GI	none	Score	.49
Exons	11..484		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79226	Strand	+
Start	369	End	1869
Name	OJ000117_20.0222.C27.o1.np	Method	AAT/NAP
Start	369	End	1869
GI	4559339	Score	87
Exons	369..538, 1824..1869		
GI Descrip.	(AC007087) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o1.gs	Method	GENSCAN
Start	114	End	6441
GI	none	Score	.63
Exons	114..353, 655..763, 1293..1438, 2340..2390, 2477..2633, 2937..3022, 3943..3994, 5130..5233, 5436..5612, 5805..5842, 5922..5977, 6221..6441		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o2.tm	Method	TBLASTX:Maize
Start	116	End	418
GI	none	Score	172
Exons	116..238, 117..254, 118..252, 172..258, 215..259, 353..418, 354..416, 356..418		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o2.np	Method	AAT/NAP
Start	1301	End	2605
GI	2826882	Score	384
Exons	1301..1438, 2340..2390, 2477..2605		
GI Descrip.	(AJ223634) transcription factor IIA small subunit [Arabidopsis thaliana] gi|5051786|emb|CAB45079.1| (AL078637) transcription factor IIA small subunit [Arabidopsis thaliana]		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o1.tm	Method	TBLASTX:Maize
Start	1307	End	2622
GI	none	Score	149
Exons	1307..1456, 1317..1439, 1393..1446, 2340..2393, 2340..2393, 2341..2400, 2477..2605, 2477..2614, 2478..2618, 2530..2622		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o2.ts	Method	TBLASTX:Soybean

Start	1307	End	2614
GI	none	Score	97
Exons	1307..1456, 1317..1448, 2340..2393, 2341..2400, 2477..2605, 2477..2614, 2478..2606		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o2.tc	Method	TBLASTX:Cress
Start	1307	End	2606
GI	none	Score	115
Exons	1307..1447, 1317..1439, 2338..2391, 2340..2393, 2340..2393, 2477..2605, 2477..2605, 2478..2606, 2478..2606		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o1.gp	Method	AAT/GAP
Start	2355	End	2587
GI	LIB3434-043-P1-K1-G4	Score	262
Exons	2355..2390, 2477..2587		
GI Descrip.	'2826882/emb|CAA11524.1| 4.0e-15 (AJ223634) transcription factor IIA small subunit [Arabidopsis thaliana] >gi_5051786_emb_CAB45079.1_ (AL078637) transcription factor IIA small subunit [Arabidopsis thaliana]'		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o3.np	Method	AAT/NAP
Start	3201	End	3494
GI	1076837	Score	64
Exons	3201..3494		
GI Descrip.	probable RNA helicase - slime mold (Dictyostelium discoideum) gi|1076843|pir||S49262 RNA helicase - slime mold (Dictyostelium discoideum) (fragment) gi|550331|emb|CAA57418| (X81824) putative RNA helicase [Dictyostelium discoideum]		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o4.np	Method	AAT/NAP
Start	3779	End	6735
GI	5882745	Score	204
Exons	3779..3836, 5425..5585, 6715..6735		
GI Descrip.	(AC008263) F25A4.24 [Arabidopsis thaliana]		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o3.gp	Method	AAT/GAP
Start	5417	End	5612
GI	14944_1.R1084	Score	292
Exons	5417..5612		
GI Descrip.	'4154281 5.0e-50 (AF082347) C13 endopeptidase NP1 precursor [Zea mays]'		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o1.tc	Method	TBLASTX:Cress
Start	5427	End	5595
GI	none	Score	107
Exons	5427..5588, 5428..5595, 5429..5584, 5431..5589		

Seq. No.	38520	Seq. ID	OJ000117_20.0222.C27
Gene No.	79227	Strand	-
Start	114	End	6735
Name	OJ000117_20.0222.C27.o1.ts	Method	TBLASTX:Soybean
Start	5434	End	5589
GI	none	Score	87
Exons	5434..5523, 5436..5588, 5436..5588, 5440..5589		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.gp	Method	AAT/GAP
Start	1	End	3046
GI	999_1_R1084	Score	1437
Exons	1..66, 144..209, 802..927, 1011..1176, 2692..3046		
GI Descrip.	'1352440/sp|P48599|IFE1_ORYSA 1.0e-104 EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KD SUBUNIT) (EIF-4F P26 SUBUNIT) >gi_1002915 (U34597) p26 [Oryza sativa]'		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.tm	Method	TBLASTX:Maize
Start	6	End	2807
GI	none	Score	64
Exons	6..65, 13..87, 14..67, 16..69, 142..207, 144..212, 144..212, 145..219, 798..923, 799..924, 802..927, 1000..1158, 1008..1184, 1012..1146, 1037..1159, 2694..2807, 2695..2796		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.tc	Method	TBLASTX:Cress
Start	13	End	2807
GI	none	Score	77
Exons	13..87, 144..212, 151..207, 786..920, 799..924, 800..916, 802..927, 1008..1184, 1018..1146, 1058..1168, 2692..2793, 2694..2807		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.ts	Method	TBLASTX:Soybean
Start	13	End	1139
GI	none	Score	50
Exons	13..66, 32..79, 142..207, 144..212, 145..219, 799..924, 802..927, 981..1130, 1008..1139, 1012..1137		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.gs	Method	GENSCAN
Start	16	End	2966
GI	none	Score	.84
Exons	16..66, 144..209, 802..927, 1011..1149, 2692..2966		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o1.np	Method	AAT/NAP
Start	19	End	2966
GI	1352440	Score	1141
Exons	19..66, 144..209, 802..927, 1011..1176, 2692..2966		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KD SUBUNIT) (EIF-4F P26 SUBUNIT) gi|1002915 (U34597) p26 [Oryza sativa]		

Seq. No.	38521	Seq. ID	OJ000117_20.0222.C28
Gene No.	79228	Strand	-
Start	1	End	3046
Name	OJ000117_20.0222.C28.o2.ts	Method	TBLASTX:Soybean
Start	1143	End	2807
GI	none	Score	124
Exons	1143..1184, 2692..2796, 2694..2807		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29
Gene No.	79229	Strand	+
Start	1	End	1242
Name	OJ000117_20.0222.C29.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	6721543	Score	102
Exons	1..125, 1218..1242		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29
Gene No.	79229	Strand	+
Start	1	End	1242
Name	OJ000117_20.0222.C29.o1.gp	Method	AAT/GAP
Start	13	End	419
GI	7406_1.R1084	Score	669
Exons	13..419		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29
Gene No.	79230	Strand	-
Start	640	End	4707
Name	OJ000117_20.0222.C29.o2.gp	Method	AAT/GAP
Start	362	End	815
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	362..815		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29

Gene No.	79230	Strand	-
Start	640	End	4707
Name	OJ000117_20.0222.C29.o1.gs	Method	GENSCAN
Start	640	End	4664
GI	none	Score	.8
Exons	640..800, 951..1153, 1158..1205, 1269..1400, 1491..1528, 1594..1776, 1869..2127, 2204..2502, 2595..2924, 3180..3426, 3532..3682, 4058..4353, 4555..4664		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29
Gene No.	79230	Strand	-
Start	640	End	4707
Name	OJ000117_20.0222.C29.o2.np	Method	AAT/NAP
Start	919	End	4707
GI	5441880	Score	2918
Exons	919..1153, 1269..1400, 1491..1514, 1551..1624, 1869..2127, 2204..2502, 3090..3426, 3532..3682, 4178..4505, 4655..4707		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38522	Seq. ID	OJ000117_20.0222.C29
Gene No.	79230	Strand	-
Start	640	End	4707
Name	OJ000117_20.0222.C29.o3.gp	Method	AAT/GAP
Start	1877	End	2376
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	1877..2127, 2204..2376		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	38523	Seq. ID	OJ000117_20.0222.C30
Gene No.	79231	Strand	-
Start	1	End	1405
Name	OJ000117_20.0222.C30.o1.gp	Method	AAT/GAP
Start	1	End	348
GI	5701669	Score	672
Exons	1..348		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38523	Seq. ID	OJ000117_20.0222.C30
Gene No.	79231	Strand	-
Start	1	End	1405
Name	OJ000117_20.0222.C30.o1.np	Method	AAT/NAP
Start	1	End	952
GI	5441880	Score	1666
Exons	1..952		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38523	Seq. ID	OJ000117_20.0222.C30
Gene No.	79231	Strand	-
Start	1	End	1405

Name	OJ000117_20.0222.C30.o1.tm	Method	TBLASTX:Maize
Start	5	End	391
GI	none	Score	140
Exons	5..229, 6..212, 263..391, 285..383		

Seq. No.	38523	Seq. ID	OJ000117_20.0222.C30
Gene No.	79231	Strand	-
Start	1	End	1405
Name	OJ000117_20.0222.C30.o1.gs	Method	GENSCAN
Start	130	End	1405
GI	none	Score	.61
Exons	130..1405		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79232	Strand	+
Start	6551	End	6880
Name	OJ000207_20.0224.C5.o3.gs	Method	GENSCAN
Start	6551	End	6880
GI	none	Score	.96
Exons	6551..6670, 6758..6880		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79233	Strand	-
Start	901	End	958
Name	OJ000207_20.0224.C5.o1.gs	Method	GENSCAN
Start	901	End	958
GI	none	Score	.69
Exons	901..958		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79234	Strand	-
Start	1639	End	1717
Name	OJ000207_20.0224.C5.o1.gp	Method	AAT/GAP
Start	1639	End	1717
GI	LIB3432-060-P1-K1-F9	Score	131
Exons	1639..1717		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79235	Strand	-
Start	2742	End	6012
Name	OJ000207_20.0224.C5.o2.gp	Method	AAT/GAP
Start	2742	End	3054
GI	LIB3432-060-P1-K1-F9	Score	186
Exons	2742..2781, 2949..3054		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79235	Strand	-
Start	2742	End	6012
Name	OJ000207_20.0224.C5.o1.np	Method	AAT/NAP
Start	2852	End	6012
GI	2191197	Score	37
Exons	2852..2878, 4625..4754, 5986..6012		
GI Descrip.	(AF007271) contains similarity to Synechococcus PCC7942		

chromosomal region used as basis of neutral siteII recombinational cloning vector (PID:g1174192) [Arabidopsis thaliana]

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79235	Strand	-
Start	2742	End	6012
Name	OJ000207_20.0224.C5.o3.gp	Method	AAT/GAP
Start	5364	End	5922
GI	3061171	Score	811
Exons	5364..5558, 5665..5922		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79236	Strand	
Start	6540	End	6880
Name	OJ000207_20.0224.C5.o1.tm	Method	TBLASTX:Maize
Start	6540	End	6880
GI	none	Score	37
Exons	6540..6554, 6556..6666, 6557..6595, 6581..6667, 6718..6879, 6761..6880		

Seq. No.	38524	Seq. ID	OJ000207_20.0224.C5
Gene No.	79236	Strand	
Start	6540	End	6880
Name	OJ000207_20.0224.C5.o1.tw	Method	TBLASTX:Wheat
Start	6557	End	6880
GI	none	Score	143
Exons	6557..6670, 6568..6600, 6629..6670, 6724..6879, 6758..6880		

Seq. No.	38525	Seq. ID	OJ000207_20.0224.C6
Gene No.	79237	Strand	+
Start	1	End	1318
Name	OJ000207_20.0224.C6.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	4263510	Score	401
Exons	1..112, 376..540, 842..1123		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38525	Seq. ID	OJ000207_20.0224.C6
Gene No.	79237	Strand	+
Start	1	End	1318
Name	OJ000207_20.0224.C6.o1.gs	Method	GENSCAN
Start	46	End	1126
GI	none	Score	.99
Exons	46..271, 376..540, 842..1126		

Seq. No.	38525	Seq. ID	OJ000207_20.0224.C6
Gene No.	79237	Strand	+
Start	1	End	1318
Name	OJ000207_20.0224.C6.o1.gp	Method	AAT/GAP
Start	376	End	1318
GI	85467_1.R1084	Score	1155
Exons	376..540, 842..1318		
GI Descrip.	'4263510/gb|AAD15336| 2.0e-29 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38525	Seq. ID	OJ000207_20.0224.C6

Gene No.	79237	Strand	+
Start	1	End	1318
Name	OJ000207_20.0224.C6.o1.tc	Method	TBLASTX:Cress
Start	376	End	922
GI	none	Score	205
Exons	376..543, 388..543, 470..544,	831..899,	841..918, 842..922

Seq. No.	38525	Seq. ID	OJ000207_20.0224.C6
Gene No.	79237	Strand	+
Start	1	End	1318
Name	OJ000207_20.0224.C6.o1.tm	Method	TBLASTX:Maize
Start	825	End	988
GI	none	Score	126
Exons	825..965, 831..965, 841..987,	841..987,	842..988

Seq. No.	38526	Seq. ID	OJ000207_20.0224.C9
Gene No.	79238	Strand	+
Start	1	End	114
Name	OJ000207_20.0224.C9.o1.np	Method	AAT/NAP
Start	1	End	114
GI	2982431	Score	86
Exons	1..114		
GI Descrip.	(AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	38527	Seq. ID	OJ000207_20.0224.C10
Gene No.	79239	Strand	+
Start	70	End	82
Name	OJ000207_20.0224.C10.o1.gs	Method	GENSCAN
Start	70	End	82
GI	none	Score	.87
Exons	70..82		

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79240	Strand	+
Start	1447	End	3860
Name	OJ000207_20.0224.C12.o1.gs	Method	GENSCAN
Start	1447	End	3860
GI	none	Score	.61
Exons	1447..1516, 2134..2311, 3302..3567,	3622..3860	

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79241	Strand	-
Start	1	End	4016
Name	OJ000207_20.0224.C12.o1.np	Method	AAT/NAP
Start	1	End	3857
GI	3805854	Score	628
Exons	1..63, 272..496, 574..806, 3294..3429,	3523..3857	
GI Descrip.	(AL031986) putative protein [Arabidopsis thaliana]		

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79241	Strand	-
Start	1	End	4016
Name	OJ000207_20.0224.C12.o1.gp	Method	AAT/GAP
Start	3638	End	4016
GI	none	Score	698
Exons	3638..4016		

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79242	Strand	-
Start	4698	End	4818
Name	OJ000207_20.0224.C12.o1.ts	Method	TBLASTX:Soybean
Start	283	End	3429
GI	none	Score	149
Exons	283..495, 293..502, 359..493, 3297..3428, 3325..3429	573..713, 607..747, 705..773,	

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79242	Strand	-
Start	4698	End	4818
Name	OJ000207_20.0224.C12.o1.tc	Method	TBLASTX:Cress
Start	346	End	794
GI	none	Score	83
Exons	346..399, 430..495, 431..496, 736..789	573..713, 625..696, 708..794,	

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79242	Strand	-
Start	4698	End	4818
Name	OJ000207_20.0224.C12.o1.tm	Method	TBLASTX:Maize
Start	438	End	3912
GI	none	Score	47
Exons	438..479, 439..480, 443..481, 582..797, 583..798, 584..799, 3523..3579, 3531..3578, 3612..3770, 3649..3774, 3855..3908, 3868..3912	452..481, 577..795, 582..797, 3289..3429, 3294..3428,	

Seq. No.	38528	Seq. ID	OJ000207_20.0224.C12
Gene No.	79242	Strand	-
Start	4698	End	4818
Name	OJ000207_20.0224.C12.o2.gs	Method	GENSCAN
Start	4698	End	4818
GI	none	Score	.84
Exons	4698..4818		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79243	Strand	+
Start	1	End	3775
Name	OJ000207_20.0224.C13.o1.np	Method	AAT/NAP
Start	1	End	3775
GI	6063554	Score	305
Exons	1..41, 2099..2285, 2403..2638, 3601..3775		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79244	Strand	+
Start	9814	End	13234
Name	OJ000207_20.0224.C13.o3.np	Method	AAT/NAP
Start	9814	End	13234
GI	4234852	Score	535
Exons	9814..9844, 12246..12731, 13184..13234		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79244	Strand	+
Start	9814	End	13234
Name	OJ000207_20.0224.C13.o4.gs	Method	GENSCAN
Start	10670	End	11068
GI	none	Score	.88
Exons	10670..10724, 10866..11068		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79245	Strand	-
Start	543	End	2156
Name	OJ000207_20.0224.C13.o1.gs	Method	GENSCAN
Start	543	End	2156
GI	none	Score	.7
Exons	543..624, 1108..1226, 1632..1769, 2118..2156		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79246	Strand	-
Start	2330	End	10127
Name	OJ000207_20.0224.C13.o2.gs	Method	GENSCAN
Start	2330	End	7979
GI	none	Score	.66
Exons	2330..2670, 4872..4945, 5213..5797, 7243..7416, 7490..7583, 7618..7774, 7884..7979		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79246	Strand	-
Start	2330	End	10127
Name	OJ000207_20.0224.C13.o2.np	Method	AAT/NAP
Start	5520	End	8862
GI	5042454	Score	277
Exons	5520..5700, 7964..8862		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79246	Strand	-
Start	2330	End	10127
Name	OJ000207_20.0224.C13.o3.gs	Method	GENSCAN
Start	8194	End	10127
GI	none	Score	.71
Exons	8194..8352, 8479..8625, 9024..9096, 9575..9712, 10120..10127		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79247	Strand	-
Start	12509	End	13206
Name	OJ000207_20.0224.C13.o2.tw	Method	TBLASTX:Wheat
Start	8059	End	8412
GI	none	Score	90
Exons	8059..8247, 8060..8248, 8234..8323, 8239..8340, 8350..8412		

Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79247	Strand	-
Start	12509	End	13206
Name	OJ000207_20.0224.C13.o1.ts	Method	TBLASTX:Soybean
Start	12319	End	12596
GI	none	Score	46

Exons	12319..12351, 12355..12594, 12477..12596		
Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79247	Strand	-
Start	12509	End	13206
Name	OJ000207_20.0224.C13.o1.tw	Method	TBLASTX:Wheat
Start	12319	End	12737
GI	none	Score	224
Exons	12319..12555, 12480..12542, 12642..12737, 12647..12694		
Seq. No.	38529	Seq. ID	OJ000207_20.0224.C13
Gene No.	79247	Strand	-
Start	12509	End	13206
Name	OJ000207_20.0224.C13.o5.gs	Method	GENSCAN
Start	12509	End	13206
GI	none	Score	.86
Exons	12509..12631, 13159..13206		
Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79248	Strand	+
Start	1	End	1501
Name	OJ000207_20.0224.C14.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	6522541	Score	725
Exons	1..1045, 1140..1501		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79248	Strand	+
Start	1	End	1501
Name	OJ000207_20.0224.C14.o1.gs	Method	GENSCAN
Start	70	End	1489
GI	none	Score	.98
Exons	70..1045, 1140..1489		
Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79249	Strand	+
Start	2889	End	5652
Name	OJ000207_20.0224.C14.o2.np	Method	AAT/NAP
Start	2889	End	5652
GI	5734709	Score	159
Exons	2889..2997, 3049..3382, 5214..5396, 5526..5652		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79250	Strand	+
Start	12011	End	16309
Name	OJ000207_20.0224.C14.o1.gp	Method	AAT/GAP
Start	12011	End	14967
GI	none	Score	870
Exons	12011..12370, 14875..14967		
Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79250	Strand	+
Start	12011	End	16309
Name	OJ000207_20.0224.C14.o5.gs	Method	GENSCAN

Start	12093	End	16309
GI	none	Score	.91
Exons	12093..12370, 12952..13053, 14875..14977, 15660..15824, 16175..16309		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79250	Strand	+
Start	12011	End	16309
Name	OJ000207_20.0224.C14.o3.np	Method	AAT/NAP
Start	12117	End	14934
GI	6721113	Score	209
Exons	12117..12370, 14875..14934		
GI Descrip.	(AC007396) T4O12.19 [Arabidopsis thaliana]		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79250	Strand	+
Start	12011	End	16309
Name	OJ000207_20.0224.C14.o4.np	Method	AAT/NAP
Start	12513	End	14049
GI	120537	Score	113
Exons	12513..12570, 13897..14049		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT I (FRXB PROTEIN) gi|65735|pir||FERZB ferredoxin 2[4Fe-4S] frxB - rice chloroplast gi|12054|emb|CAA33909| (X15901) 18kDa protein related to a subunit of NADH dehydroghenase [Oryza sativa] gi|226675|prf||1603356DC NADH dehydrogenase-like 18kD protein [Oryza sativa]		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79251	Strand	+
Start	16221	End	16563
Name	OJ000207_20.0224.C14.o2.gp	Method	AAT/GAP
Start	16221	End	16563
GI	3768374	Score	580
Exons	16221..16563		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79252	Strand	+
Start	18264	End	20650
Name	OJ000207_20.0224.C14.o7.gs	Method	GENSCAN
Start	18264	End	20650
GI	none	Score	.81
Exons	18264..18311, 18739..18981, 20015..20650		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79252	Strand	+
Start	18264	End	20650
Name	OJ000207_20.0224.C14.o5.np	Method	AAT/NAP
Start	18680	End	20359
GI	6539588	Score	319
Exons	18680..18981, 20309..20359		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79253	Strand	-
Start	5164	End	8711
Name	OJ000207_20.0224.C14.o3.gs	Method	GENSCAN

Start	5164	End	8711
GI	none	Score	.67
Exons	5164..5254, 5385..5716, 5914..6002, 8642..8711		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79254	Strand	-
Start	9316	End	11940
Name	OJ000207_20.0224.C14.o4.gs	Method	GENSCAN
Start	9316	End	11940
GI	none	Score	.76
Exons	9316..9448, 9523..9601, 11597..11657, 11806..11940		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79255	Strand	-
Start	17279	End	17623
Name	OJ000207_20.0224.C14.o6.gs	Method	GENSCAN
Start	17279	End	17623
GI	none	Score	.64
Exons	17279..17623		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o1.tc	Method	TBLASTX:Cress
Start	466	End	780
GI	none	Score	253
Exons	466..780, 531..776		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o1.ts	Method	TBLASTX:Soybean
Start	573	End	1321
GI	none	Score	197
Exons	573..761, 574..771, 808..993, 822..992, 1021..1044, 1127..1321, 1138..1314		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o2.tm	Method	TBLASTX:Maize
Start	601	End	996
GI	none	Score	340
Exons	601..996, 606..962		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o1.tm	Method	TBLASTX:Maize
Start	1119	End	1435
GI	none	Score	261
Exons	1119..1430, 1133..1435, 1137..1322, 1138..1431, 1371..1433		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o3.tm	Method	TBLASTX:Maize

Start	12123	End	16321
GI	none	Score	48
Exons	12123..12152, 12156..12371, 12182..12370, 14876..14977, 14880..14975, 14887..14976, 15657..15824, 15658..15825, 15665..15823, 16166..16231, 16174..16236, 16178..16234, 16234..16308, 16235..16312, 16256..16321		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o1.tw	Method	TBLASTX:Wheat
Start	12174	End	12373
GI	none	Score	194
Exons	12174..12371, 12176..12373		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o2.tc	Method	TBLASTX:Cress
Start	12174	End	14983
GI	none	Score	203
Exons	12174..12371, 12176..12370, 14876..14983		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o2.ts	Method	TBLASTX:Soybean
Start	12189	End	14977
GI	none	Score	218
Exons	12189..12371, 12239..12370, 12267..12380, 14825..14977		

Seq. No.	38530	Seq. ID	OJ000207_20.0224.C14
Gene No.	79256	Strand	-
Start	20975	End	21198
Name	OJ000207_20.0224.C14.o8.gs	Method	GENSCAN
Start	20975	End	21198
GI	none	Score	.97
Exons	20975..21198		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79257	Strand	+
Start	1	End	3551
Name	OJ000207_20.0224.C15.o1.np	Method	AAT/NAP
Start	1	End	3551
GI	4680179	Score	1172
Exons	1..65, 2749..3551		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79258	Strand	+
Start	5137	End	7135
Name	OJ000207_20.0224.C15.o1.gp	Method	AAT/GAP
Start	5137	End	7135
GI	61605_3.R1084	Score	615
Exons	5137..5297, 5610..5692, 6831..7135		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79259	Strand	+
Start	9017	End	9267
Name	OJ000207_20.0224.C15.o2.gp	Method	AAT/GAP
Start	9017	End	9267
GI	101153_1.R1084	Score	391
Exons	9017..9267		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79260	Strand	+
Start	10247	End	10518
Name	OJ000207_20.0224.C15.o3.gp	Method	AAT/GAP
Start	10247	End	10518
GI	61605_1.R1084	Score	462
Exons	10247..10518		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79261	Strand	+
Start	12768	End	14153
Name	OJ000207_20.0224.C15.o3.np	Method	AAT/NAP
Start	12768	End	14153
GI	4234854	Score	1167
Exons	12768..14153		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79262	Strand	-
Start	7833	End	15090
Name	OJ000207_20.0224.C15.o2.gs	Method	GENSCAN
Start	7833	End	15090
GI	none	Score	.52
Exons	7833..8058, 8121..8352, 8427..8606, 9605..9729, 9960..10035, 10597..10865, 11283..11358, 11544..11667, 12145..12302, 13654..13713, 14937..15090		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79262	Strand	-
Start	7833	End	15090
Name	OJ000207_20.0224.C15.o2.np	Method	AAT/NAP
Start	8113	End	8648
GI	5852179	Score	505
Exons	8113..8352, 8427..8648		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o1.tm	Method	TBLASTX:Maize
Start	2750	End	3294
GI	none	Score	66
Exons	2750..2878, 2757..2882, 2758..2889, 2887..2985, 2889..2984, 3046..3294, 3054..3188, 3237..3284		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o1.tw	Method	TBLASTX:Wheat
Start	2756	End	3174
GI	none	Score	89
Exons	2756..3172, 2758..3174, 2758..3171, 2775..3173		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o3.tw	Method	TBLASTX:Wheat
Start	3175	End	3506
GI	none	Score	138
Exons	3175..3294, 3202..3306, 3288..3506		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o3.tm	Method	TBLASTX:Maize
Start	12421	End	12793
GI	none	Score	170
Exons	12421..12627, 12434..12589, 12441..12608, 12595..12645, 12633..12785, 12655..12750, 12662..12793, 12663..12785		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o2.tw	Method	TBLASTX:Wheat
Start	13092	End	13560
GI	none	Score	77
Exons	13092..13157, 13094..13156, 13212..13310, 13213..13503, 13356..13481, 13483..13560		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o2.tm	Method	TBLASTX:Maize
Start	13198	End	13574
GI	none	Score	164
Exons	13198..13392, 13203..13370, 13405..13554, 13413..13574		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o1.ts	Method	TBLASTX:Soybean
Start	13207	End	13473
GI	none	Score	177
Exons	13207..13407, 13215..13406, 13410..13472, 13411..13473		

Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o4.tw	Method	TBLASTX:Wheat
Start	13904	End	14135
GI	none	Score	194

Exons	13904..14125, 13905..14135		
Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o4.np	Method	AAT/NAP
Start	17252	End	18790
GI	6063557	Score	240
Exons	17252..17403, 17653..17899, 18752..18790		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	38531	Seq. ID	OJ000207_20.0224.C15
Gene No.	79263	Strand	-
Start	17823	End	18790
Name	OJ000207_20.0224.C15.o3.gs	Method	GENSCAN
Start	17823	End	18204
GI	none	Score	.7
Exons	17823..17883, 18110..18204		
Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.gs	Method	GENSCAN
Start	56	End	2831
GI	none	Score	.79
Exons	56..200, 785..1099, 1307..1509, 1856..2831		
Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.np	Method	AAT/NAP
Start	767	End	3022
GI	4234852	Score	2263
Exons	767..3022		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o2.tw	Method	TBLASTX:Wheat
Start	818	End	1285
GI	none	Score	277
Exons	818..1285		
Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.tm	Method	TBLASTX:Maize
Start	821	End	1435
GI	none	Score	36
Exons	821..1003, 1049..1393, 1406..1435		
Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o2.ts	Method	TBLASTX:Soybean
Start	821	End	1393

GI	none	Score	64
Exons	821..997, 1013..1393, 1095..1217, 1311..1334		

Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.tw	Method	TBLASTX:Wheat
Start	1379	End	2160
GI	none	Score	73
Exons	1379..1513, 1537..1824, 1538..1669, 1606..1824, 1810..1953, 1859..1951, 1942..2001, 1950..2021, 1950..2156, 2071..2160		

Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.ts	Method	TBLASTX:Soybean
Start	1846	End	2285
GI	5509260	Score	69
Exons	1846..1953, 1847..1951, 1935..2285, 1936..2169, 2181..2285		
GI Descrip.	-		

Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o1.tc	Method	TBLASTX:Cress
Start	1950	End	2198
GI	none	Score	71
Exons	1950..2198, 1960..2157		

Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o2.tm	Method	TBLASTX:Maize
Start	1977	End	2285
GI	none	Score	280
Exons	1977..2285		

Seq. No.	38532	Seq. ID	OJ000207_20.0224.C16
Gene No.	79264	Strand	-
Start	56	End	3022
Name	OJ000207_20.0224.C16.o3.tw	Method	TBLASTX:Wheat
Start	2214	End	2984
GI	none	Score	197
Exons	2214..2336, 2757..2984		

Seq. No.	38533	Seq. ID	OJ000207_20.0224.C17
Gene No.	79265	Strand	+
Start	713	End	1036
Name	OJ000207_20.0224.C17.o1.np	Method	AAT/NAP
Start	713	End	1036
GI	5852181	Score	138
Exons	713..1036		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	38533	Seq. ID	OJ000207_20.0224.C17
Gene No.	79266	Strand	-
Start	810	End	844

Name	OJ000207_20.0224.C17.o1.gs	Method	GENSCAN
Start	810	End	844
GI	none	Score	.73
Exons	810..844		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79267	Strand	+
Start	250	End	438
Name	OJ000207_20.0224.C19.o1.gp	Method	AAT/GAP
Start	250	End	438
GI	2796325	Score	360
Exons	250..438		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6580156	Score	222
Exons	1..490		
GI Descrip.	(AL132968) putative protein [Arabidopsis thaliana]		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.tc	Method	TBLASTX:Cress
Start	3	End	503
GI	none	Score	77
Exons	3..86, 6..83, 6..83, 73..273, 147..209, 150..293, 150..182, 150..188, 219..320, 273..470, 273..419, 285..350, 288..500, 292..378, 294..503		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.tm	Method	TBLASTX:Maize
Start	6	End	623
GI	none	Score	54
Exons	6..83, 6..86, 79..195, 150..197, 150..197, 279..383, 288..485, 288..476, 294..485, 295..453, 537..623		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.ts	Method	TBLASTX:Soybean
Start	6	End	485
GI	none	Score	79
Exons	6..197, 6..86, 6..86, 6..83, 7..162, 9..83, 10..198, 147..209, 147..206, 279..485, 279..344, 288..479, 288..476, 291..476, 294..479, 294..476, 294..470, 295..414, 297..485		

Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.tw	Method	TBLASTX:Wheat
Start	6	End	644
GI	none	Score	51

Exons	6..83, 291..434, 292..378, 447..644, 511..618		
Seq. No.	38534	Seq. ID	OJ000207_20.0224.C19
Gene No.	79268	Strand	-
Start	1	End	644
Name	OJ000207_20.0224.C19.o1.gs	Method	GENSCAN
Start	377	End	525
GI	none	Score	.52
Exons	377..525		
Seq. No.	38535	Seq. ID	OJ000117_15.0207.C1
Gene No.	79269	Strand	-
Start	1	End	345
Name	OJ000117_15.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6319186	Score	507
Exons	1..345		
GI Descrip.	(AF195140) GDP-D-mannose 4,6-dehydratase; GMD1 [Arabidopsis thaliana]		
Seq. No.	38535	Seq. ID	OJ000117_15.0207.C1
Gene No.	79269	Strand	-
Start	1	End	345
Name	OJ000117_15.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	345
GI	none	Score	345
Exons	1..345, 2..343		
Seq. No.	38535	Seq. ID	OJ000117_15.0207.C1
Gene No.	79269	Strand	-
Start	1	End	345
Name	OJ000117_15.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	256
GI	none	Score	246
Exons	1..252, 2..256		
Seq. No.	38535	Seq. ID	OJ000117_15.0207.C1
Gene No.	79269	Strand	-
Start	1	End	345
Name	OJ000117_15.0207.C1.o1.gs	Method	GENSCAN
Start	31	End	283
GI	none	Score	.89
Exons	31..283		
Seq. No.	38535	Seq. ID	OJ000117_15.0207.C1
Gene No.	79269	Strand	-
Start	1	End	345
Name	OJ000117_15.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	105	End	345
GI	none	Score	57
Exons	105..155, 106..345, 107..343		
Seq. No.	38536	Seq. ID	OJ000117_15.0207.C2
Gene No.	79270	Strand	-
Start	1	End	169
Name	OJ000117_15.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	169

GI	6225159	Score	159
Exons	1..169		
GI Descrip.	ATP-DEPENDENT CLP PROTEASE PROTEOLYTIC SUBUNIT (ENDOPEPTIDASE CLP) gi|3688205|emb|CAA09090| (AJ010321) endopeptidase clp [Caulobacter crescentus]		

Seq. No.	38536	Seq. ID	OJ000117_15.0207.C2
Gene No.	79270	Strand	-
Start	1	End	169
Name	OJ000117_15.0207.C2.o1.gs	Method	GENSCAN
Start	12	End	164
GI	none	Score	.91
Exons	12..164		

Seq. No.	38537	Seq. ID	OJ000117_15.0207.C3
Gene No.	79271	Strand	+
Start	135	End	732
Name	OJ000117_15.0207.C3.o1.gs	Method	GENSCAN
Start	135	End	732
GI	none	Score	.49
Exons	135..269, 653..732		

Seq. No.	38537	Seq. ID	OJ000117_15.0207.C3
Gene No.	79272	Strand	+
Start	653	End	752
Name	OJ000117_15.0207.C3.o1.gp	Method	AAT/GAP
Start	653	End	752
GI	71486_1.R1084	Score	149
Exons	653..752		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79273	Strand	+
Start	220	End	2155
Name	OJ000117_15.0207.C4.o1.np	Method	AAT/NAP
Start	220	End	1746
GI	5803254	Score	2097
Exons	220..1026, 1128..1274, 1369..1746		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79273	Strand	+
Start	220	End	2155
Name	OJ000117_15.0207.C4.o1.gs	Method	GENSCAN
Start	267	End	2155
GI	none	Score	.51
Exons	267..1026, 1128..1274, 1369..1686, 1922..2155		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79273	Strand	+
Start	220	End	2155
Name	OJ000117_15.0207.C4.o1.gp	Method	AAT/GAP

Start	577	End	983
GI	6062534	Score	782
Exons	577..983		
GI Descrip.	5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79273	Strand	+
Start	220	End	2155
Name	OJ000117_15.0207.C4.o2.gp	Method	AAT/GAP
Start	926	End	1958
GI	15799_1.R1084	Score	1428
Exons	926..1026, 1128..1274, 1369..1958		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79274	Strand	+
Start	3550	End	5295
Name	OJ000117_15.0207.C4.o3.gs	Method	GENSCAN
Start	3550	End	5295
GI	none	Score	.71
Exons	3550..3618, 4009..5295		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79275	Strand	-
Start	2573	End	3115
Name	OJ000117_15.0207.C4.o2.gs	Method	GENSCAN
Start	2573	End	3115
GI	none	Score	.77
Exons	2573..2867, 2976..3115		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o2.tm	Method	TBLASTX:Maize
Start	642	End	1284
GI	none	Score	75
Exons	642..869, 648..854, 649..864, 676..876, 934..1017, 937..1017, 951..1034, 978..1019, 1136..1180, 1137..1190, 1201..1284, 1206..1280		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o2.np	Method	AAT/NAP
Start	4170	End	14587
GI	4406821	Score	921
Exons	4170..4352, 11568..11695, 11793..11864, 12396..12706, 12812..12897, 14129..14465, 14559..14587		
GI Descrip.	(AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4

Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o4.gs	Method	GENSCAN
Start	7654	End	8781
GI	none	Score	.67
Exons	7654..8781		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o1.tc	Method	TBLASTX:Cress
Start	7687	End	8427
GI	none	Score	57
Exons	7687..7848, 7876..7971, 7877..7972, 7978..8037, 8044..8205, 8090..8200, 8341..8427		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o1.ts	Method	TBLASTX:Soybean
Start	7687	End	8427
GI	none	Score	73
Exons	7687..7848, 7876..7971, 7978..8037, 8044..8205, 8212..8355, 8341..8427, 8348..8413		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o3.gp	Method	AAT/GAP
Start	10725	End	11058
GI	4714965	Score	636
Exons	10725..11058		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o3.tm	Method	TBLASTX:Maize
Start	11098	End	11328
GI	none	Score	142
Exons	11098..11328, 11100..11321		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o4.gp	Method	AAT/GAP
Start	11470	End	12905
GI	4714964	Score	1240
Exons	11470..11695, 11792..11864, 12396..12706, 12812..12905		
GI Descrip.	4406821/gb|AAD20129| 3.0e-77 (AC006201) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	11533	End	12458
GI	none	Score	197

Exons	11533..11697, 11534..11698, 11540..11698, 11789..11863, 11791..11853, 11793..11864, 12380..12454, 12390..12458		
Seq. No.	38538	Seq. ID	OJ000117_15.0207.C4
Gene No.	79276	Strand	-
Start	4170	End	14587
Name	OJ000117_15.0207.C4.o2.ts	Method	TBLASTX:Soybean
Start	12656	End	14271
GI	none	Score	103
Exons	12656..12706, 12810..12899, 12810..12899, 12811..12903, 12815..12904, 14133..14270, 14170..14271		
Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79277	Strand	+
Start	1	End	2154
Name	OJ000117_15.0207.C5.o1.np	Method	AAT/NAP
Start	1	End	1969
GI	4406815	Score	675
Exons	1..129, 391..540, 1042..1154, 1548..1692, 1775..1969		
GI Descrip.	(AC006201) putative peptide methionine sulfoxide reductase [Arabidopsis thaliana]		
Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79277	Strand	+
Start	1	End	2154
Name	OJ000117_15.0207.C5.o1.gs	Method	GENSCAN
Start	232	End	1972
GI	none	Score	.81
Exons	232..540, 1042..1154, 1548..1692, 1775..1972		
Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79277	Strand	+
Start	1	End	2154
Name	OJ000117_15.0207.C5.o1.gp	Method	AAT/GAP
Start	442	End	2154
GI	23159_1.R1084	Score	1339
Exons	442..540, 1042..1154, 1548..1692, 1775..2154		
GI Descrip.	'4406815/gb|AAD20123| 7.0e-61 (AC006201) putative peptide methionine sulfoxide reductase [Arabidopsis thaliana]'		
Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o3.tm	Method	TBLASTX:Maize
Start	399	End	1630
GI	none	Score	221
Exons	399..548, 409..543, 1036..1152, 1040..1150, 1041..1151, 1041..1166, 1042..1179, 1543..1626, 1545..1625, 1547..1630		
Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o1.tc	Method	TBLASTX:Cress
Start	402	End	1972
GI	none	Score	203
Exons	402..548, 409..543, 1041..1145, 1042..1149, 1624..1692, 1759..1971, 1772..1972, 1773..1967, 1774..1971, 1775..1972		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o1.ts	Method	TBLASTX:Soybean
Start	402	End	1885
GI	none	Score	212
Exons	402..548, 409..543, 1041..1178, 1042..1179, 1543..1692, 1545..1688, 1759..1851, 1775..1885		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o1.tm	Method	TBLASTX:Maize
Start	1644	End	1976
GI	none	Score	69
Exons	1644..1691, 1645..1692, 1772..1975, 1773..1976, 1775..1975		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.gp	Method	AAT/GAP
Start	2284	End	3994
GI	28820_1.R1084	Score	1860
Exons	2284..2831, 2920..3070, 3186..3244, 3639..3737, 3836..3994		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.gs	Method	GENSCAN
Start	2667	End	7647
GI	none	Score	.72
Exons	2667..2831, 2920..3070, 3186..3244, 3639..3737, 3836..4060, 5820..5897, 6448..6591, 6829..7028, 7131..7187, 7593..7647		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.np	Method	AAT/NAP
Start	2676	End	8341
GI	3033386	Score	522
Exons	2676..2831, 2920..3073, 3147..3244, 3639..3737, 3836..4060, 5820..5897, 6448..6546, 8296..8341		
GI Descrip.	(AC004238) putative RING3 protein [Arabidopsis thaliana]		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.tm	Method	TBLASTX:Maize
Start	2770	End	3936
GI	none	Score	96
Exons	2770..2844, 2772..2849, 2772..2849, 2920..3078, 2920..3075, 3185..3247, 3190..3234, 3636..3737, 3639..3740, 3835..3936,		

3836..3934

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.ts	Method	TBLASTX:Soybean
Start	3633	End	3995
GI	none	Score	96
Exons	3633..3737, 3831..3995, 3836..3994		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o2.tc	Method	TBLASTX:Cress
Start	3875	End	5897
GI	none	Score	85
Exons	3875..4006, 3894..3995, 3990..4064, 4004..4063, 5816..5887, 5817..5888, 5817..5897		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o4.gp	Method	AAT/GAP
Start	6448	End	6580
GI	2442805	Score	234
Exons	6448..6580		
GI Descrip.	3033386 6.0e-24 (AC004238) RING3-like protein [Arabidopsis thaliana]		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o3.np	Method	AAT/NAP
Start	6460	End	8341
GI	3063449	Score	138
Exons	6460..6535, 8039..8147, 8224..8341		
GI Descrip.	(AC003981) F22O13.11 [Arabidopsis thaliana]		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o4.tm	Method	TBLASTX:Maize
Start	8014	End	8304
GI	none	Score	99
Exons	8014..8148, 8042..8149, 8052..8150, 8222..8296, 8224..8304, 8228..8296		

Seq. No.	38539	Seq. ID	OJ000117_15.0207.C5
Gene No.	79278	Strand	-
Start	2284	End	8341
Name	OJ000117_15.0207.C5.o1.tw	Method	TBLASTX:Wheat
Start	8034	End	8304
GI	none	Score	134
Exons	8034..8150, 8052..8153, 8222..8296, 8224..8304, 8231..8296		

Seq. No.	38540	Seq. ID	OJ000117_15.0207.C6
Gene No.	79279	Strand	-

Start	817	End	1629
Name	OJ000117_15.0207.C6.o1.gp	Method	AAT/GAP
Start	817	End	1629
GI	33668_1.R1084	Score	1614
Exons	817..1629		
GI Descrip.	'4406821/gb|AAD20129| 3.0e-77 (AC006201) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38541	Seq. ID	OJ000117_15.0207.C7
Gene No.	79280	Strand	+
Start	385	End	445
Name	OJ000117_15.0207.C7.o1.gs	Method	GENSCAN
Start	385	End	445
GI	none	Score	.78
Exons	385..445		

Seq. No.	38542	Seq. ID	OJ000117_15.0207.C8
Gene No.	79281	Strand	-
Start	3813	End	4742
Name	OJ000117_15.0207.C8.o1.gp	Method	AAT/GAP
Start	3813	End	4742
GI	70544_1.R1084	Score	679
Exons	3813..4020, 4581..4742		
GI Descrip.	'3914555/sp|O65693|RBFA_ARATH 6.0e-48 PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR >gi_3096942_emb_CAA18852.1_ (AL023094) putative protein [Arabidopsis thaliana]'		

Seq. No.	38542	Seq. ID	OJ000117_15.0207.C8
Gene No.	79281	Strand	-
Start	3813	End	4742
Name	OJ000117_15.0207.C8.o1.np	Method	AAT/NAP
Start	3868	End	4742
GI	3914555	Score	286
Exons	3868..4022, 4553..4742		
GI Descrip.	PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR gi|3096942|emb|CAA18852.1| (AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	38542	Seq. ID	OJ000117_15.0207.C8
Gene No.	79281	Strand	-
Start	3813	End	4742
Name	OJ000117_15.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	4578	End	4724
GI	none	Score	204
Exons	4578..4724, 4581..4724		

Seq. No.	38542	Seq. ID	OJ000117_15.0207.C8
Gene No.	79281	Strand	-
Start	3813	End	4742
Name	OJ000117_15.0207.C8.o1.ts	Method	TBLASTX:Soybean
Start	4608	End	4742
GI	none	Score	120
Exons	4608..4742, 4609..4740		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79282	Strand	+
Start	67	End	313

Name	OJ000117_15.0207.C9.o1.gp	Method	AAT/GAP
Start	67	End	313
GI	70544_1.R1084	Score	396
Exons	67..313		
GI Descrip.	'3914555/sp|O65693|RBFA_ARATH 6.0e-48 PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR >gi_3096942_emb_CAA18852.1_ (AL023094) putative protein [Arabidopsis thaliana]'		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79283	Strand	+
Start	1500	End	1962
Name	OJ000117_15.0207.C9.o2.np	Method	AAT/NAP
Start	1468	End	1962
GI	3695379	Score	196
Exons	1468..1552, 1599..1758, 1829..1962		
GI Descrip.	(AF096370) contains similarity to a C. elegans hypothetical protein F44G4.1 (GB:Z49910) and several yeast hypothetical proteins such as 35.1 KD protein in NAM8-GAR1 intergenic region (SP:P38805) [Arabidopsis thaliana]		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79283	Strand	+
Start	1500	End	1962
Name	OJ000117_15.0207.C9.o2.gs	Method	GENSCAN
Start	1500	End	1944
GI	none	Score	.92
Exons	1500..1736, 1864..1944		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79284	Strand	-
Start	1	End	311
Name	OJ000117_15.0207.C9.o1.np	Method	AAT/NAP
Start	1	End	311
GI	3914555	Score	216
Exons	1..26, 62..311		
GI Descrip.	PUTATIVE RIBOSOME-BINDING FACTOR A, CHLOROPLAST PRECURSOR gi|3096942|emb|CAA18852.1| (AL023094) putative protein [Arabidopsis thaliana]		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79284	Strand	-
Start	1	End	311
Name	OJ000117_15.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	58	End	258
GI	none	Score	131
Exons	58..258, 72..257		

Seq. No.	38543	Seq. ID	OJ000117_15.0207.C9
Gene No.	79285	Strand	
Start	1614	End	1889
Name	OJ000117_15.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	1614	End	1889
GI	none	Score	114
Exons	1614..1766, 1616..1753, 1860..1889, 1861..1887		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79286	Strand	+

Start	1	End	7805
Name	OJ000117_15.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	4996
GI	3695379	Score	631
Exons	1..157, 239..308, 367..470, 2301..2380, 2511..2623, 2949..3004, 3310..3408, 4781..4996		
GI Descrip.	(AF096370) contains similarity to a C. elegans hypothetical protein F44G4.1 (GB:Z49910) and several yeast hypothetical proteins such as 35.1 KD protein in NAM8-GAR1 intergenic region (SP:P38805) [Arabidopsis thaliana]		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79286	Strand	+
Start	1	End	7805
Name	OJ000117_15.0207.C10.o1.gs	Method	GENSCAN
Start	239	End	7805
GI	none	Score	.71
Exons	239..308, 388..470, 2301..2380, 2511..2609, 2899..3042, 3773..3978, 4492..4512, 4878..5060, 6864..7170, 7793..7805		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79287	Strand	-
Start	6387	End	6762
Name	OJ000117_15.0207.C10.o1.gp	Method	AAT/GAP
Start	6387	End	6762
GI	4714278	Score	724
Exons	6387..6762		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79288	Strand	-
Start	6821	End	7174
Name	OJ000117_15.0207.C10.o2.np	Method	AAT/NAP
Start	6821	End	7174
GI	4582443	Score	226
Exons	6821..7039, 7073..7174		
GI Descrip.	(AC007142) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	66	End	448
GI	none	Score	87
Exons	66..158, 71..160, 73..156, 74..157, 238..306, 239..307, 239..307, 386..448, 387..446, 389..448		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	73	End	2359
GI	none	Score	115
Exons	73..156, 74..160, 76..174, 238..306, 238..306, 239..307, 386..469, 386..466, 387..470, 2270..2359, 2295..2357		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10

Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o2.tc	Method	TBLASTX:Cress
Start	73	End	3530
GI	none	Score	104
Exons	73..156, 74..160, 238..273, 239..274, 278..307, 387..470, 396..470, 3492..3530		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	2269	End	3004
GI	none	Score	135
Exons	2269..2376, 2295..2411, 2300..2380, 2505..2621, 2508..2615, 2509..2637, 2510..2635, 2896..2946, 2898..2948, 2899..2946, 2944..3000, 2945..3004		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o3.tm	Method	TBLASTX:Maize
Start	2270	End	2990
GI	none	Score	125
Exons	2270..2380, 2282..2380, 2283..2411, 2505..2618, 2508..2615, 2509..2637, 2510..2635, 2896..2940, 2897..2980, 2952..2990		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	2295	End	3383
GI	none	Score	137
Exons	2295..2396, 2300..2383, 2509..2640, 2542..2607, 3306..3383, 3310..3363		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	2545	End	3545
GI	none	Score	135
Exons	2545..2655, 2550..2654, 2924..3004, 3295..3399, 3306..3404, 3310..3399, 3492..3545, 3494..3544		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o2.tm	Method	TBLASTX:Maize
Start	6824	End	7039
GI	none	Score	43
Exons	6824..6877, 6846..6872, 6920..7039, 6950..7036		

Seq. No.	38544	Seq. ID	OJ000117_15.0207.C10
Gene No.	79289	Strand	-
Start	8556	End	8716
Name	OJ000117_15.0207.C10.o2.gs	Method	GENSCAN

Start	8556	End	8716
GI	none	Score	.61
Exons	8556..8716		

Seq. No.	38545	Seq. ID	OJ000117_15.0207.C11
Gene No.	79290	Strand	+
Start	1759	End	2235
Name	OJ000117_15.0207.C11.o1.gs	Method	GENSCAN
Start	1759	End	2235
GI	none	Score	.89
Exons	1759..2235		

Seq. No.	38545	Seq. ID	OJ000117_15.0207.C11
Gene No.	79291	Strand	+
Start	3269	End	5433
Name	OJ000117_15.0207.C11.o2.gs	Method	GENSCAN
Start	3269	End	5433
GI	none	Score	.41
Exons	3269..3388, 3468..3757, 3819..4060, 5041..5317, 5322..5433		

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79292	Strand	+
Start	643	End	1859
Name	OJ000117_15.0207.C12.o1.np	Method	AAT/NAP
Start	643	End	1859
GI	6721543	Score	106
Exons	643..771, 1425..1500, 1819..1859		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79292	Strand	+
Start	643	End	1859
Name	OJ000117_15.0207.C12.o1.gp	Method	AAT/GAP
Start	657	End	1063
GI	7406_1.R1084	Score	669
Exons	657..1063		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79293	Strand	-
Start	573	End	4343
Name	OJ000117_15.0207.C12.o1.gs	Method	GENSCAN
Start	573	End	4325
GI	none	Score	.7
Exons	573..735, 1318..1444, 1595..1797, 1802..1849, 1913..2044, 2135..2172, 2238..2420, 2513..2771, 2848..3146, 3240..3650, 3735..4071, 4177..4325		

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79293	Strand	-
Start	573	End	4343
Name	OJ000117_15.0207.C12.o2.gp	Method	AAT/GAP
Start	1006	End	1459
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	1006..1459		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79293	Strand	-
Start	573	End	4343
Name	OJ000117_15.0207.C12.o2.np	Method	AAT/NAP
Start	1563	End	4343
GI	5441880	Score	2378
Exons	1563..1797, 1913..2044, 2135..2158, 2195..2268, 2513..2771, 2848..3146, 3735..4071, 4177..4343		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38546	Seq. ID	OJ000117_15.0207.C12
Gene No.	79293	Strand	-
Start	573	End	4343
Name	OJ000117_15.0207.C12.o3.gp	Method	AAT/GAP
Start	2521	End	3020
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	2521..2771, 2848..3020		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79294	Strand	-
Start	1	End	1956
Name	OJ000117_15.0207.C13.o1.np	Method	AAT/NAP
Start	1	End	1503
GI	5441880	Score	1778
Exons	1..54, 498..1503		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79294	Strand	-
Start	1	End	1956
Name	OJ000117_15.0207.C13.o1.gs	Method	GENSCAN
Start	181	End	1956
GI	none	Score	.87
Exons	181..1956		

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79294	Strand	-
Start	1	End	1956
Name	OJ000117_15.0207.C13.o1.gp	Method	AAT/GAP
Start	468	End	899
GI	5701669	Score	841
Exons	468..899		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79295	Strand	-

Start	2397	End	2491
Name	OJ000117_15.0207.C13.o1.tw	Method	TBLASTX:Wheat
Start	268	End	648
GI	none	Score	79
Exons	268..444, 298..444, 329..448,	442..639,	454..648

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79295	Strand	-
Start	2397	End	2491
Name	OJ000117_15.0207.C13.o1.tm	Method	TBLASTX:Maize
Start	346	End	942
GI	none	Score	151
Exons	346..417, 481..780, 542..763,	814..942,	836..934

Seq. No.	38547	Seq. ID	OJ000117_15.0207.C13
Gene No.	79295	Strand	-
Start	2397	End	2491
Name	OJ000117_15.0207.C13.o2.gp	Method	AAT/GAP
Start	2397	End	2491
GI	7406_1.R1084	Score	141
Exons	2397..2491		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79296	Strand	+
Start	63	End	2452
Name	OJ000117_15.0207.C14.o1.gs	Method	GENSCAN
Start	63	End	2422
GI	none	Score	.97
Exons	63..770, 2195..2422		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79296	Strand	+
Start	63	End	2452
Name	OJ000117_15.0207.C14.o1.gp	Method	AAT/GAP
Start	689	End	2452
GI	LIB3432-042-P2-K1-D10	Score	614
Exons	689..770, 2195..2452		
GI Descrip.	'4455258/emb|CAB36757.1| 2.0e-12 (AL035523) acid phosphatase-like protein [Arabidopsis thaliana]'		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79297	Strand	+
Start	4146	End	6395
Name	OJ000117_15.0207.C14.o2.gs	Method	GENSCAN
Start	4146	End	6180
GI	none	Score	.91
Exons	4146..4639, 4954..5163, 6003..6180		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79297	Strand	+
Start	4146	End	6395
Name	OJ000117_15.0207.C14.o1.np	Method	AAT/NAP
Start	4197	End	6177
GI	130718	Score	739
Exons	4197..4317, 4363..4639, 4954..5163, 6003..6177		

GI Descrip.	ACID PHOSPHATASE PRECURSOR 1 gi|170370 (M83211) acid phosphatase type 1 [Lycopersicon esculentum] gi|170372 (M67474) acid phosphatase type 5 [Lycopersicon esculentum] gi|445121|prf||1908427A acid phosphatase 1 [Lycopersicon esculentum]		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79297	Strand	+
Start	4146	End	6395
Name	OJ000117_15.0207.C14.o2.gp	Method	AAT/GAP
Start	6061	End	6395
GI	5038615	Score	630
Exons	6061..6395		
GI Descrip.	4455258/emb|CAB36757.1| 2.0e-12 (AL035523) acid phosphatase-like protein [Arabidopsis thaliana]		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79298	Strand	+
Start	7472	End	7557
Name	OJ000117_15.0207.C14.o3.gp	Method	AAT/GAP
Start	7472	End	7557
GI	3678_1_R1084	Score	103
Exons	7472..7557		
GI Descrip.	'2511594/emb|CAA74028.1| 3.0e-35 (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_2827525_emb_CAA16533.1_ (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]'		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o4.tc	Method	TBLASTX:Cress
Start	159	End	431
GI	none	Score	152
Exons	159..317, 351..431		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o2.tc	Method	TBLASTX:Cress
Start	2237	End	2422
GI	none	Score	228
Exons	2237..2422, 2237..2371		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o2.tm	Method	TBLASTX:Maize
Start	4277	End	4589
GI	none	Score	63
Exons	4277..4312, 4278..4313, 4325..4546, 4383..4547, 4509..4589		
Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209

Name	OJ000117_15.0207.C14.o1.ts	Method	TBLASTX:Soybean
Start	4383	End	5175
GI	none	Score	336
Exons	4383..4652, 4385..4651, 4952..5167, 4955..5167, 4984..5175		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o1.tc	Method	TBLASTX:Cress
Start	4386	End	6180
GI	none	Score	246
Exons	4386..4643, 4388..4645, 4952..4993, 4958..5164, 4987..5091, 5995..6180, 6000..6176, 6082..6180		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o3.ts	Method	TBLASTX:Soybean
Start	6013	End	6180
GI	none	Score	233
Exons	6013..6180, 6021..6176		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o4.tm	Method	TBLASTX:Maize
Start	6804	End	9934
GI	none	Score	43
Exons	6804..6842, 6809..6844, 6850..6993, 6863..6994, 6864..6995, 7473..7556, 7473..7556, 7767..7850, 7770..7853, 7771..7851, 7778..7867, 8226..8342, 8227..8340, 8472..8543, 8472..8543, 8473..8547, 8473..8544, 8682..8780, 8726..8782, 8727..8783, 9109..9192, 9114..9191, 9115..9192, 9116..9193, 9818..9934, 9825..9926		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o3.gs	Method	GENSCAN
Start	6863	End	9961
GI	none	Score	.95
Exons	6863..6994, 7481..7555, 7770..7843, 8228..8339, 8472..8544, 8727..8782, 9115..9191, 9820..9961		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o2.np	Method	AAT/NAP
Start	6866	End	9922
GI	2511594	Score	754
Exons	6866..6994, 7481..7555, 7770..7843, 8228..8339, 8472..8544, 8727..8782, 9115..9191, 9820..9922		
GI Descrip.	(Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|2827525|emb|CAA16533.1| (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|3421099 (AF043529) 20S proteasome		

subunit PBA1 [Arabidopsis thaliana]

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o2.tw	Method	TBLASTX:Wheat
Start	7789	End	9177
GI	none	Score	77
Exons	7789..7851, 7791..7853, 8184..8342, 8227..8337, 8472..8570, 8472..8543, 8473..8568, 8679..8774, 8726..8782, 8727..8783, 8728..8790, 9109..9177, 9115..9168, 9116..9175		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o4.gp	Method	AAT/GAP
Start	8465	End	10093
GI	7094_2.R1084	Score	615
Exons	8465..8544, 8727..8782, 9115..9191, 9820..10093		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o3.np	Method	AAT/NAP
Start	9128	End	24209
GI	1184075	Score	1145
Exons	9128..9146, 11676..12851, 13071..13560, 13738..13970, 22946..23208, 23347..24209		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o4.gs	Method	GENSCAN
Start	11356	End	14241
GI	none	Score	.99
Exons	11356..14241		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o3.tc	Method	TBLASTX:Cress
Start	11629	End	23861
GI	none	Score	88
Exons	11629..11655, 11689..11856, 11695..11967, 11695..11964, 11698..11973, 11698..11964, 11701..12009, 11701..11856, 11719..11979, 11773..11958, 12088..12246, 12100..12258, 12100..12222, 12121..12261, 12148..12255, 12259..12297, 12271..12312, 12418..12600, 12418..12591, 12418..12600, 12418..12585, 12490..12600, 12490..12594, 13075..13197, 13075..13197, 13351..13566, 13354..13560, 13354..13545, 13783..13902, 13789..13884, 13909..13989, 22887..23210, 22941..23186, 22947..23210, 22947..23201, 22947..23210,		

22968..23138, 22971..23210, 23020..23178, 23112..23201,
23346..23489, 23346..23483, 23346..23486, 23355..23486,
23370..23477, 23373..23486, 23394..23489, 23571..23789,
23583..23861, 23583..23846, 23583..23840, 23583..23792,
23586..23831, 23592..23861, 23593..23820

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o1.tw	Method	TBLASTX:Wheat
Start	11659	End	23849
GI	none	Score	80

Exons 11659..12030, 11696..11851, 11906..11950, 12097..12258,
12121..12258, 12418..12606, 13075..13197, 13302..13337,
13348..13578, 13348..13545, 13783..13902, 22884..23147,
22899..23210, 22930..23124, 23340..23483, 23373..23483,
23580..23846, 23664..23849

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o3.tm	Method	TBLASTX:Maize
Start	11662	End	23858
GI	none	Score	134

Exons 11662..12015, 11663..11959, 11803..12015, 12100..12258,
12418..12594, 12418..12558, 12691..12777, 13075..13197,
13345..13584, 13348..13536, 13783..13911, 13909..13989,
22915..23202, 22926..23201, 22939..23175, 22941..23147,
23346..23489, 23577..23774, 23580..23858

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o2.ts	Method	TBLASTX:Soybean
Start	11668	End	23846
GI	none	Score	146

Exons 11668..12030, 11710..11856, 11973..12053, 12094..12231,
12121..12258, 12142..12258, 12418..12594, 12418..12531,
13075..13173, 13354..13536, 13435..13566, 13498..13686,
22857..23060, 22884..23201, 22885..23202, 22956..23102,
23016..23144, 23091..23210, 23346..23489, 23353..23493,
23355..23483, 23607..23741, 23643..23846

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o5.gs	Method	GENSCAN
Start	15657	End	20762
GI	none	Score	.68

Exons 15657..15854, 16212..16250, 16352..16403, 16536..16600,
16674..16757, 17580..17627, 17708..17828, 18245..18347,
18892..18973, 19428..19564, 19660..19748, 20641..20762

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o5.tm	Method	TBLASTX:Maize

Start	16073	End	18349
GI	none	Score	49
Exons	16073..16099, 16201..16251, 16212..16253, 16212..16253, 16345..16407, 16349..16411, 16352..16405, 16531..16602, 16535..16603, 16535..16603, 16673..16759, 16674..16763, 16675..16758, 17580..17630, 17581..17631, 17587..17631, 17705..17821, 17705..17818, 17707..17820, 18245..18313, 18247..18312, 18252..18317, 18308..18349, 18310..18348		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	18919	End	19749
GI	none	Score	41
Exons	18919..18945, 18946..18987, 19099..19158, 19102..19200, 19426..19578, 19428..19568, 19667..19747, 19670..19744, 19696..19749		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o4.ts	Method	TBLASTX:Soybean
Start	19438	End	19748
GI	none	Score	68
Exons	19438..19482, 19440..19484, 19504..19557, 19515..19568, 19655..19747, 19659..19748		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o5.gp	Method	AAT/GAP
Start	19488	End	20810
GI	428880	Score	632
Exons	19488..19564, 19660..19748, 20641..20810		
GI Descrip.	3258571 4.0e-22 (U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38548	Seq. ID	OJ000117_15.0207.C14
Gene No.	79299	Strand	-
Start	6863	End	24209
Name	OJ000117_15.0207.C14.o6.gs	Method	GENSCAN
Start	22548	End	23792
GI	none	Score	.4
Exons	22548..23792		

Seq. No.	38549	Seq. ID	OJ000117_15.0207.C15
Gene No.	79300	Strand	-
Start	66	End	293
Name	OJ000117_15.0207.C15.o1.gp	Method	AAT/GAP
Start	66	End	293
GI	71486_1.R1084	Score	422
Exons	66..293		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38549	Seq. ID	OJ000117_15.0207.C15
Gene No.	79300	Strand	-
Start	66	End	293
Name	OJ000117_15.0207.C15.o1.gs	Method	GENSCAN
Start	68	End	158
GI	none	Score	.86
Exons	68..158		

Seq. No.	38549	Seq. ID	OJ000117_15.0207.C15
Gene No.	79301	Strand	-
Start	703	End	888
Name	OJ000117_15.0207.C15.o2.gs	Method	GENSCAN
Start	703	End	888
GI	none	Score	.83
Exons	703..888		

Seq. No.	38550	Seq. ID	OJ000117_15.0207.C16
Gene No.	79302	Strand	+
Start	906	End	6514
Name	OJ000117_15.0207.C16.o1.gs	Method	GENSCAN
Start	906	End	6514
GI	none	Score	.49
Exons	906..1364, 1403..1881, 5264..5437, 6115..6514		

Seq. No.	38550	Seq. ID	OJ000117_15.0207.C16
Gene No.	79302	Strand	+
Start	906	End	6514
Name	OJ000117_15.0207.C16.o1.gp	Method	AAT/GAP
Start	1071	End	1346
GI	2428253	Score	528
Exons	1071..1346		

Seq. No.	38550	Seq. ID	OJ000117_15.0207.C16
Gene No.	79303	Strand	-
Start	6071	End	6190
Name	OJ000117_15.0207.C16.o2.gp	Method	AAT/GAP
Start	6071	End	6190
GI	50029_1.R1084	Score	117
Exons	6071..6190		
GI Descrip.	'3128218 1.0e-09 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	38550	Seq. ID	OJ000117_15.0207.C16
Gene No.	79304	Strand	-
Start	7857	End	8453
Name	OJ000117_15.0207.C16.o3.gp	Method	AAT/GAP
Start	7857	End	8453
GI	15799_1.R1084	Score	1140
Exons	7857..8453		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38550	Seq. ID	OJ000117_15.0207.C16
Gene No.	79304	Strand	-

Start	7857	End	8453
Name	OJ000117_15.0207.C16.o1.np	Method	AAT/NAP
Start	8064	End	8453
GI	5803254	Score	603
Exons	8064..8453		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	38551	Seq. ID	OJ000117_15.0207.C17
Gene No.	79305	Strand	-
Start	1	End	546
Name	OJ000117_15.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	510
GI	5803254	Score	778
Exons	1..510		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	38551	Seq. ID	OJ000117_15.0207.C17
Gene No.	79305	Strand	-
Start	1	End	546
Name	OJ000117_15.0207.C17.o1.gs	Method	GENSCAN
Start	31	End	543
GI	none	Score	.7
Exons	31..543		

Seq. No.	38551	Seq. ID	OJ000117_15.0207.C17
Gene No.	79305	Strand	-
Start	1	End	546
Name	OJ000117_15.0207.C17.o1.gp	Method	AAT/GAP
Start	127	End	546
GI	71486_1.R1084	Score	738
Exons	127..546		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	38552	Seq. ID	OJ000117_12.0207.C1
Gene No.	79306	Strand	+
Start	1	End	1190
Name	OJ000117_12.0207.C1.o1.np	Method	AAT/NAP
Start	1	End	1190
GI	4467126	Score	295
Exons	1..118, 220..914, 1155..1190		
GI Descrip.	(AL035538) guanine nucleotide-exchange protein-like [Arabidopsis thaliana]		

Seq. No.	38552	Seq. ID	OJ000117_12.0207.C1
Gene No.	79306	Strand	+
Start	1	End	1190
Name	OJ000117_12.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	12	End	904
GI	none	Score	120
Exons	12..119, 13..120, 174..431, 215..394, 226..396, 396..659,		

441..659, 470..661, 659..718, 660..800, 762..902, 872..904

Seq. No.	38552	Seq. ID	OJ000117_12.0207.C1
Gene No.	79306	Strand	+
Start	1	End	1190
Name	OJ000117_12.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	82	End	514
GI	none	Score	54
Exons	82..120, 204..395, 218..394, 438..512, 473..514		

Seq. No.	38552	Seq. ID	OJ000117_12.0207.C1
Gene No.	79306	Strand	+
Start	1	End	1190
Name	OJ000117_12.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	82	End	713
GI	none	Score	56
Exons	82..120, 204..383, 215..382, 225..386, 450..713		

Seq. No.	38552	Seq. ID	OJ000117_12.0207.C1
Gene No.	79306	Strand	+
Start	1	End	1190
Name	OJ000117_12.0207.C1.o1.gp	Method	AAT/GAP
Start	258	End	785
GI	24987_1.R1084	Score	1048
Exons	258..785		
GI Descrip.	'3080412/emb|CAA18731.1| 1.0e-23 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79307	Strand	+
Start	1	End	258
Name	OJ000117_12.0207.C2.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	38778_1.R1084	Score	481
Exons	1..258		
GI Descrip.	'5441889/dbj|BAA82387.1| 6.0e-11 (AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]'		

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79308	Strand	+
Start	274	End	302
Name	OJ000117_12.0207.C2.o1.gs	Method	GENSCAN
Start	274	End	302
GI	none	Score	.51
Exons	274..302		

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79309	Strand	+
Start	2450	End	4106
Name	OJ000117_12.0207.C2.o1.np	Method	AAT/NAP
Start	2450	End	4106
GI	93144	Score	89
Exons	2450..2937, 3487..3639, 3723..4106		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2		

[Pseudorabies virus]

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79310	Strand	+
Start	5614	End	6440
Name	OJ000117_12.0207.C2.o3.gp	Method	AAT/GAP
Start	5614	End	6440
GI	26575_1.R1084	Score	1610
Exons	5614..6440		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79311	Strand	-
Start	2489	End	2987
Name	OJ000117_12.0207.C2.o2.gp	Method	AAT/GAP
Start	2489	End	2987
GI	none	Score	942
Exons	2489..2987		

Seq. No.	38553	Seq. ID	OJ000117_12.0207.C2
Gene No.	79312	Strand	+
Start	5623	End	6442
Name	OJ000117_12.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	5623	End	6442
GI	none	Score	46
Exons	5623..5655, 5658..5699, 5671..5703, 5735..5800, 5735..5803, 5736..5846, 5990..6100, 5995..6081, 6083..6442, 6089..6280, 6130..6390, 6338..6439		

Seq. No.	38554	Seq. ID	OJ000117_12.0207.C3
Gene No.	79313	Strand	-
Start	1	End	1156
Name	OJ000117_12.0207.C3.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	3036816	Score	254
Exons	1..30, 150..562, 593..1156		
GI Descrip.	(AL022373) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	38554	Seq. ID	OJ000117_12.0207.C3
Gene No.	79313	Strand	-
Start	1	End	1156
Name	OJ000117_12.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	6	End	1156
GI	none	Score	95
Exons	6..98, 18..92, 26..97, 182..439, 187..570, 189..602, 189..632, 265..633, 626..715, 627..998, 639..914, 742..1002, 767..1039, 1041..1154, 1045..1155, 1049..1156		

Seq. No.	38554	Seq. ID	OJ000117_12.0207.C3
Gene No.	79313	Strand	-
Start	1	End	1156
Name	OJ000117_12.0207.C3.o1.ts	Method	TBLASTX:Soybean
Start	189	End	956
GI	none	Score	38
Exons	189..596, 192..269, 248..406, 355..414, 475..618, 666..956		

Seq. No.	38554	Seq. ID	OJ000117_12.0207.C3
Gene No.	79313	Strand	-
Start	1	End	1156
Name	OJ000117_12.0207.C3.o1.gs	Method	GENSCAN
Start	190	End	1040
GI	none	Score	.56
Exons	190..1040		

Seq. No.	38554	Seq. ID	OJ000117_12.0207.C3
Gene No.	79313	Strand	-
Start	1	End	1156
Name	OJ000117_12.0207.C3.o2.gp	Method	AAT/GAP
Start	620	End	1080
GI	3768160	Score	874
Exons	620..1080		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.np	Method	AAT/NAP
Start	1	End	1058
GI	3036816	Score	806
Exons	1..633, 868..1058		
GI Descrip.	(AL022373) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.tc	Method	TBLASTX:Cress
Start	8	End	447
GI	none	Score	61
Exons	8..64, 15..65, 17..436, 65..187, 69..248, 163..309, 388..447		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.ts	Method	TBLASTX:Soybean
Start	8	End	303
GI	none	Score	297
Exons	8..301, 15..254, 28..303, 73..303		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	8	End	490
GI	none	Score	232
Exons	8..199, 8..304, 15..272, 16..306, 55..306, 307..393, 311..385, 311..403, 318..413, 394..459, 404..490, 455..490		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.gs	Method	GENSCAN
Start	20	End	1063
GI	none	Score	.93
Exons	20..633, 868..1063		

Seq. No.	38555	Seq. ID	OJ000117_12.0207.C4
Gene No.	79314	Strand	-
Start	1	End	1063
Name	OJ000117_12.0207.C4.o1.tw	Method	TBLASTX:Wheat
Start	312	End	917
GI	none	Score	152
Exons	312..635, 316..459, 438..542, 867..917	455..637, 857..916, 860..916,	

Seq. No.	38556	Seq. ID	OJ000117_12.0207.C5
Gene No.	79315	Strand	+
Start	205	End	841
Name	OJ000117_12.0207.C5.o1.gs	Method	GENSCAN
Start	205	End	841
GI	none	Score	.89
Exons	205..310, 530..841		

Seq. No.	38556	Seq. ID	OJ000117_12.0207.C5
Gene No.	79316	Strand	+
Start	1749	End	6822
Name	OJ000117_12.0207.C5.o2.gs	Method	GENSCAN
Start	1749	End	6822
GI	none	Score	.53
Exons	1749..1799, 2470..2502, 3754..3856, 6782..6822		

Seq. No.	38556	Seq. ID	OJ000117_12.0207.C5
Gene No.	79317	Strand	-
Start	1425	End	1770
Name	OJ000117_12.0207.C5.o1.gp	Method	AAT/GAP
Start	1425	End	1770
GI	426562	Score	651
Exons	1425..1770		

Seq. No.	38557	Seq. ID	OJ000117_12.0207.C6
Gene No.	79318	Strand	+
Start	620	End	986
Name	OJ000117_12.0207.C6.o1.gs	Method	GENSCAN
Start	620	End	986
GI	none	Score	.78
Exons	620..693, 892..986		

Seq. No.	38558	Seq. ID	OJ000117_12.0207.C7
Gene No.	79319	Strand	+
Start	2	End	2294
Name	OJ000117_12.0207.C7.o1.gs	Method	GENSCAN
Start	2	End	2294
GI	none	Score	.41
Exons	2..53, 106..247, 352..430, 1409..1787, 1891..2294		

Seq. No.	38559	Seq. ID	OJ000117_12.0207.C9
Gene No.	79320	Strand	-
Start	305	End	581
Name	OJ000117_12.0207.C9.o1.gs	Method	GENSCAN
Start	305	End	581
GI	none	Score	.86
Exons	305..393, 459..581		

Seq. No.	38560	Seq. ID	OJ000117_12.0207.C12
Gene No.	79321	Strand	+
Start	313	End	2376
Name	OJ000117_12.0207.C12.o1.gs	Method	GENSCAN
Start	313	End	2376
GI	none	Score	.71
Exons	313..737, 1840..1945, 1981..2376		

Seq. No.	38560	Seq. ID	OJ000117_12.0207.C12
Gene No.	79322	Strand	+
Start	4129	End	6061
Name	OJ000117_12.0207.C12.o2.gs	Method	GENSCAN
Start	4129	End	6061
GI	none	Score	.55
Exons	4129..5412, 6033..6061		

Seq. No.	38560	Seq. ID	OJ000117_12.0207.C12
Gene No.	79323	Strand	-
Start	5281	End	5418
Name	OJ000117_12.0207.C12.o1.gp	Method	AAT/GAP
Start	5281	End	5418
GI	none	Score	245
Exons	5281..5418		

Seq. No.	38561	Seq. ID	OJ000117_12.0207.C13
Gene No.	79324	Strand	+
Start	333	End	586
Name	OJ000117_12.0207.C13.o1.gp	Method	AAT/GAP
Start	333	End	586
GI	none	Score	489
Exons	333..586		

Seq. No.	38561	Seq. ID	OJ000117_12.0207.C13
Gene No.	79325	Strand	+
Start	1574	End	3893
Name	OJ000117_12.0207.C13.o1.gs	Method	GENSCAN
Start	1574	End	3893
GI	none	Score	.67
Exons	1574..1720, 2160..2255, 3438..3893		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79326	Strand	+
Start	211	End	1377
Name	OJ000117_12.0207.C14.o1.gs	Method	GENSCAN
Start	211	End	1377
GI	none	Score	.49
Exons	211..251, 291..530, 1183..1377		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79326	Strand	+
Start	211	End	1377
Name	OJ000117_12.0207.C14.o1.gp	Method	AAT/GAP
Start	593	End	1029
GI	LIB3432-030-P1-K1-C3	Score	833
Exons	593..1029		
GI Descrip.	'2982268 1.0e-46 (AF051217) probable 40S ribosomal protein S15		

[Picea mariana]'

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o3.gs	Method	GENSCAN
Start	3838	End	7354
GI	none	Score	.44
Exons	3838..3848, 3850..3960, 3996..4231, 4446..4456, 4531..4586, 5468..6120, 6561..7086, 7336..7354		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o4.tm	Method	TBLASTX:Maize
Start	5224	End	5547
GI	none	Score	48
Exons	5224..5268, 5226..5261, 5254..5412, 5315..5407, 5316..5408, 5323..5412, 5456..5545, 5457..5546, 5457..5546, 5458..5547, 5458..5547		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o1.np	Method	AAT/NAP
Start	5421	End	7913
GI	6630696	Score	4125
Exons	5421..7913		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o2.tw	Method	TBLASTX:Wheat
Start	5557	End	6032
GI	none	Score	393
Exons	5557..5943, 5559..5942, 5958..6032, 5959..6027		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o4.ts	Method	TBLASTX:Soybean
Start	5685	End	6026
GI	none	Score	93
Exons	5685..5894, 5764..5889, 5913..6026, 5932..5991		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o1.tm	Method	TBLASTX:Maize
Start	5888	End	6231
GI	none	Score	98
Exons	5888..6136, 5889..6230, 5890..6231		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14

Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o3.ts	Method	TBLASTX:Soybean
Start	6039	End	6386
GI	none	Score	65
Exons	6039..6221, 6040..6210, 6222..6386, 6227..6382		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o3.tw	Method	TBLASTX:Wheat
Start	6239	End	6784
GI	none	Score	39
Exons	6239..6445, 6440..6784, 6600..6629, 6693..6767		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o2.tm	Method	TBLASTX:Maize
Start	6320	End	6785
GI	none	Score	74
Exons	6320..6784, 6467..6631, 6675..6785		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o1.ts	Method	TBLASTX:Soybean
Start	6455	End	6919
GI	5509260	Score	46
Exons	6455..6919, 6600..6632, 6693..6824		
GI Descrip.	-		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o1.tc	Method	TBLASTX:Cress
Start	6566	End	6826
GI	none	Score	103
Exons	6566..6826, 6693..6824, 6709..6825		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o1.tw	Method	TBLASTX:Wheat
Start	6839	End	7593
GI	none	Score	118
Exons	6839..7021, 6839..7093, 6843..7028, 6907..7092, 7116..7370, 7117..7593, 7120..7371, 7127..7585		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o2.ts	Method	TBLASTX:Soybean
Start	7243	End	7641
GI	none	Score	111
Exons	7243..7416, 7420..7641, 7424..7639		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o3.tm	Method	TBLASTX:Maize
Start	7429	End	7893
GI	none	Score	80
Exons	7429..7893, 7436..7654		

Seq. No.	38562	Seq. ID	OJ000117_12.0207.C14
Gene No.	79327	Strand	-
Start	3838	End	7913
Name	OJ000117_12.0207.C14.o4.tw	Method	TBLASTX:Wheat
Start	7594	End	7786
GI	none	Score	222
Exons	7594..7785, 7595..7786		

Seq. No.	38563	Seq. ID	OJ000117_12.0207.C15
Gene No.	79328	Strand	-
Start	1	End	1207
Name	OJ000117_12.0207.C15.o1.gp	Method	AAT/GAP
Start	1	End	547
GI	101595_1.R1084	Score	1010
Exons	1..547		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	38563	Seq. ID	OJ000117_12.0207.C15
Gene No.	79328	Strand	-
Start	1	End	1207
Name	OJ000117_12.0207.C15.o1.np	Method	AAT/NAP
Start	1	End	589
GI	6630696	Score	919
Exons	1..589		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	38563	Seq. ID	OJ000117_12.0207.C15
Gene No.	79328	Strand	-
Start	1	End	1207
Name	OJ000117_12.0207.C15.o1.gs	Method	GENSCAN
Start	128	End	1207
GI	none	Score	.9
Exons	128..936, 972..1207		

Seq. No.	38563	Seq. ID	OJ000117_12.0207.C15
Gene No.	79328	Strand	-
Start	1	End	1207
Name	OJ000117_12.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	239	End	547
GI	none	Score	133
Exons	239..547, 242..433, 304..453, 318..500		

Seq. No.	38563	Seq. ID	OJ000117_12.0207.C15
Gene No.	79328	Strand	-
Start	1	End	1207
Name	OJ000117_12.0207.C15.o1.tw	Method	TBLASTX:Wheat

Start	298	End	695
GI	none	Score	153
Exons	298..459, 299..583, 318..503,	560..694,	597..695

Seq. No.	38564	Seq. ID	OJ000117_12.0207.C16
Gene No.	79329	Strand	+
Start	87	End	382
Name	OJ000117_12.0207.C16.o1.gs	Method	GENSCAN
Start	87	End	382
GI	none	Score	.63
Exons	87..382		

Seq. No.	38564	Seq. ID	OJ000117_12.0207.C16
Gene No.	79330	Strand	-
Start	2431	End	5256
Name	OJ000117_12.0207.C16.o2.gs	Method	GENSCAN
Start	2431	End	5256
GI	none	Score	.45
Exons	2431..2558, 3807..3876, 4975..5256		

Seq. No.	38564	Seq. ID	OJ000117_12.0207.C16
Gene No.	79330	Strand	-
Start	2431	End	5256
Name	OJ000117_12.0207.C16.o1.np	Method	AAT/NAP
Start	3477	End	5021
GI	6539571	Score	72
Exons	3477..3572, 3815..3925, 4883..5021		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79331	Strand	+
Start	1	End	1511
Name	OJ000117_12.0207.C17.o1.np	Method	AAT/NAP
Start	1	End	1508
GI	6730631	Score	480
Exons	1..357, 830..934, 1152..1508		
GI Descrip.	(AC008262) F4N2.2 [Arabidopsis thaliana]		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79331	Strand	+
Start	1	End	1511
Name	OJ000117_12.0207.C17.o1.gs	Method	GENSCAN
Start	57	End	1511
GI	none	Score	.88
Exons	57..357, 830..934, 1152..1511		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79332	Strand	+
Start	3972	End	4341
Name	OJ000117_12.0207.C17.o1.gp	Method	AAT/GAP
Start	3972	End	4341
GI	uC-osflcyp173a11a1	Score	617
Exons	3972..4341		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17

Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o1.tc	Method	TBLASTX:Cress
Start	127	End	357
GI	none	Score	49
Exons	127..177, 195..341, 199..357, 208..357		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o5.tm	Method	TBLASTX:Maize
Start	192	End	939
GI	none	Score	272
Exons	192..350, 193..357, 208..357, 808..933, 818..934, 818..934, 829..939		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o3.ts	Method	TBLASTX:Soybean
Start	196	End	351
GI	none	Score	196
Exons	196..351		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o2.tw	Method	TBLASTX:Wheat
Start	199	End	390
GI	none	Score	182
Exons	199..357, 211..390		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o1.tw	Method	TBLASTX:Wheat
Start	824	End	1274
GI	none	Score	131
Exons	824..934, 827..934, 1149..1274, 1149..1262		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o2.tc	Method	TBLASTX:Cress
Start	836	End	1327
GI	none	Score	119
Exons	836..925, 850..921, 1145..1327, 1146..1325		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o2.ts	Method	TBLASTX:Soybean
Start	872	End	1517
GI	none	Score	75
Exons	872..934, 1149..1379, 1151..1381, 1445..1507, 1464..1517		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17

Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o8.tm	Method	TBLASTX:Maize
Start	1149	End	1274
GI	none	Score	183
Exons	1149..1274, 1149..1271, 1151..1273		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o4.tm	Method	TBLASTX:Maize
Start	1274	End	1712
GI	none	Score	271
Exons	1274..1402, 1278..1511, 1448..1510, 1466..1516, 1533..1559, 1557..1592, 1561..1590, 1562..1609, 1623..1643, 1686..1712		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	4202	End	4822
GI	none	Score	269
Exons	4202..4576, 4207..4590, 4211..4606, 4455..4583, 4567..4707, 4585..4671, 4715..4822		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o2.np	Method	AAT/NAP
Start	4268	End	9153
GI	4432821	Score	1042
Exons	4268..4794, 4849..4914, 4951..5153, 6543..6653, 6753..6823, 6898..6975, 7878..8084, 8181..8360, 8563..8786, 9069..9153		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o6.tm	Method	TBLASTX:Maize
Start	4826	End	4978
GI	none	Score	144
Exons	4826..4972, 4826..4978		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o7.tm	Method	TBLASTX:Maize
Start	4983	End	5177
GI	none	Score	38
Exons	4983..5021, 4984..5139, 4988..5170, 5076..5177		

Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o2.tm	Method	TBLASTX:Maize
Start	6539	End	8051
GI	none	Score	149

Exons	6539..6655, 6543..6656, 6732..6824, 6743..6826, 6754..6828, 6898..6969, 6898..6975, 7879..8049, 7880..8050, 7881..8051, 7881..8051		
Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	6764	End	8361
GI	none	Score	67
Exons	6764..6826, 6863..6973, 6898..6978, 7878..8081, 7878..8084, 7930..8085, 8178..8360, 8178..8360, 8185..8361		
Seq. No.	38565	Seq. ID	OJ000117_12.0207.C17
Gene No.	79333	Strand	-
Start	4268	End	9153
Name	OJ000117_12.0207.C17.o3.tm	Method	TBLASTX:Maize
Start	8178	End	8732
GI	none	Score	219
Exons	8178..8363, 8181..8357, 8185..8409, 8188..8388, 8551..8730, 8552..8731, 8568..8732		
Seq. No.	38566	Seq. ID	OJ000117_12.0207.C19
Gene No.	79334	Strand	-
Start	458	End	517
Name	OJ000117_12.0207.C19.o1.gp	Method	AAT/GAP
Start	458	End	517
GI	LIB3477-003-P1-K1-E9	Score	71
Exons	458..517		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	38566	Seq. ID	OJ000117_12.0207.C19
Gene No.	79335	Strand	
Start	1357	End	1840
Name	OJ000117_12.0207.C19.o1.tm	Method	TBLASTX:Maize
Start	1357	End	1840
GI	none	Score	174
Exons	1357..1551, 1361..1549, 1362..1553, 1555..1839, 1556..1840		
Seq. No.	38566	Seq. ID	OJ000117_12.0207.C19
Gene No.	79336	Strand	
Start	1990	End	2302
Name	OJ000117_12.0207.C19.o3.tm	Method	TBLASTX:Maize
Start	1990	End	2302
GI	none	Score	57
Exons	1990..2037, 1991..2038, 2014..2085, 2039..2092, 2045..2092, 2128..2301, 2129..2302		
Seq. No.	38566	Seq. ID	OJ000117_12.0207.C19
Gene No.	79337	Strand	
Start	2304	End	2635
Name	OJ000117_12.0207.C19.o2.tm	Method	TBLASTX:Maize
Start	2304	End	2635
GI	none	Score	193
Exons	2304..2516, 2305..2541, 2306..2542, 2534..2632, 2552..2635,		

2590..2634

Seq. No.	38567	Seq. ID	OJ000117_12.0207.C20
Gene No.	79338	Strand	+
Start	1	End	1369
Name	OJ000117_12.0207.C20.o1.np	Method	AAT/NAP
Start	1	End	1369
GI	4586111	Score	95
Exons	1..53, 249..411, 1295..1369		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	38567	Seq. ID	OJ000117_12.0207.C20
Gene No.	79339	Strand	-
Start	45	End	396
Name	OJ000117_12.0207.C20.o1.gs	Method	GENSCAN
Start	45	End	383
GI	none	Score	.66
Exons	45..383		

Seq. No.	38567	Seq. ID	OJ000117_12.0207.C20
Gene No.	79339	Strand	-
Start	45	End	396
Name	OJ000117_12.0207.C20.o1.tm	Method	TBLASTX:Maize
Start	180	End	396
GI	none	Score	60
Exons	180..221, 184..219, 282..356, 283..396, 286..396		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79340	Strand	+
Start	628	End	6803
Name	OJ000117_12.0207.C22.o1.gs	Method	GENSCAN
Start	628	End	6782
GI	none	Score	.42
Exons	628..725, 2230..2288, 3466..3583, 4409..4589, 5262..5659, 6472..6782		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79340	Strand	+
Start	628	End	6803
Name	OJ000117_12.0207.C22.o1.np	Method	AAT/NAP
Start	5291	End	6803
GI	2583113	Score	616
Exons	5291..5659, 6487..6803		
GI Descrip.	(AC002387) unknown protein [Arabidopsis thaliana]		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79341	Strand	-
Start	1	End	106
Name	OJ000117_12.0207.C22.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	2869_1.R1084	Score	175
Exons	1..106		
GI Descrip.	'5123926/emb|CAB45514.1| 1.0e-11 (AL079350) putative protein [Arabidopsis thaliana]'		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79342	Strand	

Start	5402	End	6528
Name	OJ000117_12.0207.C22.o1.tc	Method	TBLASTX:Cress
Start	5402	End	6528
GI	none	Score	269
Exons	5402..5563, 5416..5562, 5594..5626, 6469..6528		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79342	Strand	
Start	5402	End	6528
Name	OJ000117_12.0207.C22.o1.tm	Method	TBLASTX:Maize
Start	5402	End	5620
GI	none	Score	277
Exons	5402..5620, 5416..5616		

Seq. No.	38568	Seq. ID	OJ000117_12.0207.C22
Gene No.	79342	Strand	
Start	5402	End	6528
Name	OJ000117_12.0207.C22.o1.ts	Method	TBLASTX:Soybean
Start	5402	End	5641
GI	none	Score	106
Exons	5402..5476, 5489..5641, 5491..5625		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o1.gs	Method	GENSCAN
Start	12	End	9267
GI	none	Score	.6
Exons	12..82, 2326..2393, 3265..4633, 6236..6383, 6633..6905, 7188..7484, 7566..7852, 8104..8293, 8789..9267		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o1.np	Method	AAT/NAP
Start	3369	End	9553
GI	5441889	Score	2530
Exons	3369..3572, 3618..4179, 4387..4633, 6122..6439, 6560..6905, 7062..7484, 7566..7852, 8020..8293, 8789..9267, 9378..9553		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o1.gp	Method	AAT/GAP
Start	6129	End	6780
GI	62728_1.R1084	Score	1033
Exons	6129..6439, 6560..6780		
GI Descrip.	'4467126/emb|CAB37560| 1.0e-18 (AL035538) guanine nucleotide-exchange protein-like [Arabidopsis thaliana]'		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553

Name	OJ000117_12.0207.C23.o2.tc	Method	TBLASTX:Cress
Start	6135	End	8272
GI	none	Score	155
Exons	6135..6437, 7065..7112, 7140..7487, 7262..7480, 7563..7658, 7565..7633, 8063..8272		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o4.ts	Method	TBLASTX:Soybean
Start	6675	End	7184
GI	none	Score	196
Exons	6675..6905, 6677..6739, 6827..6901, 7042..7131, 7052..7183, 7053..7184, 7053..7184		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o2.ts	Method	TBLASTX:Soybean
Start	7185	End	7631
GI	none	Score	375
Exons	7185..7487, 7229..7474, 7563..7631		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o3.ts	Method	TBLASTX:Soybean
Start	7787	End	8212
GI	none	Score	99
Exons	7787..7852, 7788..7853, 8020..8211, 8021..8212		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o2.gp	Method	AAT/GAP
Start	8777	End	9180
GI	572171	Score	745
Exons	8777..9180		
GI Descrip.	4467126/emb|CAB37560| 1.0e-18 (AL035538) guanine nucleotide-exchange protein-like [Arabidopsis thaliana]		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o1.tc	Method	TBLASTX:Cress
Start	8794	End	9553
GI	none	Score	234
Exons	8794..8925, 8804..8998, 8807..8938, 8817..9020, 8817..8966, 9020..9061, 9024..9257, 9037..9267, 9038..9268, 9110..9271, 9384..9551, 9384..9551, 9386..9553		

Seq. No.	38569	Seq. ID	OJ000117_12.0207.C23
Gene No.	79343	Strand	+
Start	12	End	9553
Name	OJ000117_12.0207.C23.o1.ts	Method	TBLASTX:Soybean
Start	8972	End	9553
GI	none	Score	38

Exons	8972..8998, 8974..8997, 8998..9066, 9020..9067, 9092..9196, 9100..9195, 9175..9267, 9175..9267, 9179..9268, 9197..9277, 9198..9284, 9376..9543, 9384..9551, 9386..9553, 9386..9553		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79344	Strand	+
Start	1	End	1551
Name	OJ000117_11.0223.C1.o1.np	Method	AAT/NAP
Start	1	End	1551
GI	2943742	Score	647
Exons	1..62, 224..529, 749..1551		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79345	Strand	+
Start	4879	End	9861
Name	OJ000117_11.0223.C1.o3.np	Method	AAT/NAP
Start	4879	End	9861
GI	2943742	Score	2531
Exons	4879..5185, 5500..5812, 5908..7961, 8031..8377, 9836..9861		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79346	Strand	-
Start	194	End	2113
Name	OJ000117_11.0223.C1.o2.np	Method	AAT/NAP
Start	194	End	2113
GI	6721512	Score	205
Exons	194..227, 1729..1784, 1826..1953, 1981..2113		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79347	Strand	-
Start	3706	End	3944
Name	OJ000117_11.0223.C1.o1.gp	Method	AAT/GAP
Start	3706	End	3944
GI	57406_2.R1084	Score	375
Exons	3706..3944		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79348	Strand	-
Start	9411	End	9766
Name	OJ000117_11.0223.C1.o2.ts	Method	TBLASTX:Soybean
Start	6287	End	6757
GI	none	Score	149
Exons	6287..6529, 6581..6757		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79348	Strand	-
Start	9411	End	9766
Name	OJ000117_11.0223.C1.o1.tm	Method	TBLASTX:Maize
Start	6632	End	7183
GI	none	Score	262
Exons	6632..7054, 6751..7041, 7139..7183, 7141..7182		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79348	Strand	-
Start	9411	End	9766
Name	OJ000117_11.0223.C1.o1.ts	Method	TBLASTX:Soybean
Start	6761	End	7894
GI	none	Score	226
Exons	6761..7039, 6763..7032, 7054..7182, 7061..7252, 7796..7894		

Seq. No.	38570	Seq. ID	OJ000117_11.0223.C1
Gene No.	79348	Strand	-
Start	9411	End	9766
Name	OJ000117_11.0223.C1.o3.gs	Method	GENSCAN
Start	9411	End	9766
GI	none	Score	.81
Exons	9411..9628, 9662..9766		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79349	Strand	+
Start	1	End	1481
Name	OJ000117_11.0223.C2.o1.np	Method	AAT/NAP
Start	1	End	1481
GI	2943742	Score	1030
Exons	1..246, 445..1481		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79349	Strand	+
Start	1	End	1481
Name	OJ000117_11.0223.C2.o1.gs	Method	GENSCAN
Start	179	End	1465
GI	none	Score	.5
Exons	179..316, 1143..1465		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79350	Strand	+
Start	7458	End	7808
Name	OJ000117_11.0223.C2.o3.gs	Method	GENSCAN
Start	7458	End	7808
GI	none	Score	.51
Exons	7458..7808		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o1.gp	Method	AAT/GAP
Start	3285	End	4351
GI	14090_1.R1084	Score	1098
Exons	3285..3391, 3540..3704, 3782..3851, 3916..3997, 4084..4351		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-47 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o2.gp	Method	AAT/GAP
Start	3371	End	4386

GI	14090_1.R1084	Score	1034
Exons	3371..3391, 3540..3704, 3782..3851, 3916..3997, 4084..4386		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-47 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o1.ts	Method	TBLASTX:Soybean
Start	3655	End	4512
GI	none	Score	44
Exons	3655..3714, 3790..3864, 3803..3862, 3912..3962, 3914..3967, 4195..4434, 4207..4365, 4244..4438, 4417..4512		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o1.tm	Method	TBLASTX:Maize
Start	3790	End	4438
GI	none	Score	66
Exons	3790..3864, 3814..3864, 3911..3997, 3912..4016, 3916..3999, 4135..4371, 4150..4434, 4151..4438		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o2.gs	Method	GENSCAN
Start	3827	End	4948
GI	none	Score	.94
Exons	3827..3997, 4084..4598, 4648..4948		

Seq. No.	38571	Seq. ID	OJ000117_11.0223.C2
Gene No.	79351	Strand	-
Start	3827	End	6349
Name	OJ000117_11.0223.C2.o2.np	Method	AAT/NAP
Start	3830	End	6349
GI	5903104	Score	126
Exons	3830..3997, 4126..4425, 6329..6349		
GI Descrip.	(AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana] gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79352	Strand	+
Start	2125	End	9605
Name	OJ000117_11.0223.C3.o1.gs	Method	GENSCAN
Start	2125	End	7877
GI	none	Score	.56
Exons	2125..2770, 3314..3443, 4099..4334, 4488..4565, 5119..5269, 5352..6120, 6213..6511, 6604..6667, 6848..6871, 7126..7504, 7759..7877		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79352	Strand	+
Start	2125	End	9605
Name	OJ000117_11.0223.C3.o1.np	Method	AAT/NAP

Start	2488	End	8856
GI	5441880	Score	1278
Exons	2488..3496, 3938..3985, 4248..4546, 5115..5288, 5395..5700, 6219..6519, 6618..6836, 8805..8856		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79352	Strand	+
Start	2125	End	9605
Name	OJ000117_11.0223.C3.o2.np	Method	AAT/NAP
Start	6661	End	9605
GI	4680186	Score	206
Exons	6661..6687, 8039..8206, 8784..8915, 9574..9605		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79353	Strand	+
Start	9960	End	10869
Name	OJ000117_11.0223.C3.o3.np	Method	AAT/NAP
Start	9960	End	10869
GI	6069653	Score	1238
Exons	9960..10167, 10202..10869		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79354	Strand	-
Start	9164	End	10747
Name	OJ000117_11.0223.C3.o1.tm	Method	TBLASTX:Maize
Start	3057	End	3639
GI	none	Score	135
Exons	3057..3179, 3058..3210, 3210..3497, 3211..3513, 3538..3639, 3561..3587		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79354	Strand	-
Start	9164	End	10747
Name	OJ000117_11.0223.C3.o1.tw	Method	TBLASTX:Wheat
Start	3348	End	3735
GI	none	Score	193
Exons	3348..3497, 3349..3513, 3349..3498, 3546..3593, 3547..3735, 3550..3639, 3572..3658		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79354	Strand	-
Start	9164	End	10747
Name	OJ000117_11.0223.C3.o2.tw	Method	TBLASTX:Wheat
Start	5434	End	7963
GI	none	Score	92
Exons	5434..5487, 5437..5490, 5496..5624, 5497..5625, 5659..5694, 5731..5763, 7886..7963		

Seq. No.	38572	Seq. ID	OJ000117_11.0223.C3
Gene No.	79354	Strand	-
Start	9164	End	10747
Name	OJ000117_11.0223.C3.o2.gs	Method	GENSCAN

Start	9164	End	10747
GI	none	Score	.52
Exons	9164..9402, 9601..9652, 10412..10747		

Seq. No.	38573	Seq. ID	OJ000117_11.0223.C4
Gene No.	79355	Strand	-
Start	278	End	951
Name	OJ000117_11.0223.C4.o1.gs	Method	GENSCAN
Start	278	End	951
GI	none	Score	.43
Exons	278..302, 887..951		

Seq. No.	38574	Seq. ID	OJ000117_11.0223.C6
Gene No.	79356	Strand	+
Start	1	End	686
Name	OJ000117_11.0223.C6.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6069653	Score	350
Exons	1..116, 195..686		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	38574	Seq. ID	OJ000117_11.0223.C6
Gene No.	79357	Strand	-
Start	66	End	632
Name	OJ000117_11.0223.C6.o1.gs	Method	GENSCAN
Start	66	End	632
GI	none	Score	.63
Exons	66..77, 248..632		

Seq. No.	38575	Seq. ID	OJ000117_11.0223.C7
Gene No.	79358	Strand	-
Start	1	End	267
Name	OJ000117_11.0223.C7.o1.gp	Method	AAT/GAP
Start	1	End	127
GI	569902	Score	254
Exons	1..127		
GI Descrip.	4531444/gb|AAD22129.1|AC006224_11 2.0e-47 (AC006224) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	38575	Seq. ID	OJ000117_11.0223.C7
Gene No.	79358	Strand	-
Start	1	End	267
Name	OJ000117_11.0223.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	266
GI	none	Score	201
Exons	1..138, 2..151, 74..139, 246..266		

Seq. No.	38575	Seq. ID	OJ000117_11.0223.C7
Gene No.	79358	Strand	-
Start	1	End	267
Name	OJ000117_11.0223.C7.o1.np	Method	AAT/NAP
Start	1	End	267
GI	4531444	Score	158
Exons	1..136, 239..267		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	38576	Seq. ID	OJ000117_11.0223.C8

Gene No.	79359	Strand	+
Start	1	End	1995
Name	OJ000117_11.0223.C8.o1.gp	Method	AAT/GAP
Start	1	End	1995
GI	2943741	Score	3270
Exons	1..1995		
GI Descrip.	2943742/dbj|BAA25068| 0.0e+00 (AB002266) XA1 [Oryza sativa]		

Seq. No.	38576	Seq. ID	OJ000117_11.0223.C8
Gene No.	79359	Strand	+
Start	1	End	1995
Name	OJ000117_11.0223.C8.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	2943742	Score	2161
Exons	1..1604		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38576	Seq. ID	OJ000117_11.0223.C8
Gene No.	79359	Strand	+
Start	1	End	1995
Name	OJ000117_11.0223.C8.o1.gs	Method	GENSCAN
Start	322	End	1607
GI	none	Score	.74
Exons	322..337, 493..616, 1127..1607		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79360	Strand	-
Start	1	End	2726
Name	OJ000117_11.0223.C9.o1.gp	Method	AAT/GAP
Start	1	End	839
GI	14090_1.R1084	Score	1237
Exons	1..202, 300..450, 537..839		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-47 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79360	Strand	-
Start	1	End	2726
Name	OJ000117_11.0223.C9.o1.np	Method	AAT/NAP
Start	295	End	2726
GI	5903104	Score	333
Exons	295..450, 579..1511, 2640..2726		
GI Descrip.	(AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana] gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79360	Strand	-
Start	1	End	2726
Name	OJ000117_11.0223.C9.o1.gs	Method	GENSCAN
Start	300	End	1697
GI	none	Score	.91
Exons	300..450, 537..1697		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79360	Strand	-

Start	1	End	2726
Name	OJ000117_11.0223.C9.o2.gp	Method	AAT/GAP
Start	1345	End	1767
GI	3762772	Score	729
Exons	1345..1767		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79361	Strand	-
Start	2851	End	3291
Name	OJ000117_11.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	154	End	1340
GI	none	Score	43
Exons	154..207, 331..420, 332..415, 648..938, 660..818, 697..921, 1020..1340, 1021..1227, 1191..1331		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79361	Strand	-
Start	2851	End	3291
Name	OJ000117_11.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	299	End	1256
GI	none	Score	143
Exons	299..469, 331..450, 588..824, 603..947, 604..945, 876..947, 999..1142, 1017..1256, 1021..1233, 1203..1256		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79361	Strand	-
Start	2851	End	3291
Name	OJ000117_11.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	714	End	953
GI	none	Score	101
Exons	714..953, 784..912		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79361	Strand	-
Start	2851	End	3291
Name	OJ000117_11.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	1257	End	1706
GI	none	Score	46
Exons	1257..1301, 1258..1293, 1293..1364, 1294..1365, 1410..1496, 1410..1556, 1578..1637, 1579..1635, 1665..1706, 1666..1698		

Seq. No.	38577	Seq. ID	OJ000117_11.0223.C9
Gene No.	79361	Strand	-
Start	2851	End	3291
Name	OJ000117_11.0223.C9.o2.gs	Method	GENSCAN
Start	2851	End	3291
GI	none	Score	.98
Exons	2851..3291		

Seq. No.	38578	Seq. ID	OJ000117_11.0223.C10
Gene No.	79362	Strand	+
Start	1738	End	2227
Name	OJ000117_11.0223.C10.o1.gp	Method	AAT/GAP
Start	1738	End	2227
GI	none	Score	980
Exons	1738..2227		

Seq. No.	38578	Seq. ID	OJ000117_11.0223.C10
Gene No.	79363	Strand	-
Start	617	End	1758
Name	OJ000117_11.0223.C10.o1.gs	Method	GENSCAN
Start	617	End	1758
GI	none	Score	.46
Exons	617..667, 907..1179, 1699..1758		

Seq. No.	38578	Seq. ID	OJ000117_11.0223.C10
Gene No.	79364	Strand	-
Start	2104	End	2293
Name	OJ000117_11.0223.C10.o1.tw	Method	TBLASTX:Wheat
Start	1880	End	2292
GI	none	Score	72
Exons	1880..1927, 1916..1939, 1944..2024, 1945..2025, 1945..2025, 1952..2029, 2096..2155, 2098..2154, 2099..2161, 2137..2259, 2158..2259, 2159..2260, 2259..2291, 2260..2292		

Seq. No.	38578	Seq. ID	OJ000117_11.0223.C10
Gene No.	79364	Strand	-
Start	2104	End	2293
Name	OJ000117_11.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	1949	End	2292
GI	none	Score	44
Exons	1949..1978, 1950..1982, 1998..2024, 2101..2145, 2105..2134, 2140..2259, 2143..2259, 2259..2291, 2260..2292		

Seq. No.	38578	Seq. ID	OJ000117_11.0223.C10
Gene No.	79364	Strand	-
Start	2104	End	2293
Name	OJ000117_11.0223.C10.o1.np	Method	AAT/NAP
Start	2104	End	2293
GI	4531444	Score	146
Exons	2104..2293		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	38579	Seq. ID	OJ000117_11.0223.C11
Gene No.	79365	Strand	+
Start	546	End	675
Name	OJ000117_11.0223.C11.o1.gp	Method	AAT/GAP
Start	546	End	675
GI	none	Score	228
Exons	546..675		

Seq. No.	38579	Seq. ID	OJ000117_11.0223.C11
Gene No.	79366	Strand	-
Start	748	End	1068
Name	OJ000117_11.0223.C11.o2.gp	Method	AAT/GAP
Start	748	End	1068
GI	none	Score	638
Exons	748..1068		

Seq. No.	38580	Seq. ID	OJ000117_11.0223.C12
Gene No.	79367	Strand	-
Start	409	End	1522
Name	OJ000117_11.0223.C12.o1.gp	Method	AAT/GAP
Start	409	End	1303

GI	none	Score	1030
Exons	409..764, 1087..1303		

Seq. No.	38580	Seq. ID	OJ000117_11.0223.C12
Gene No.	79367	Strand	-
Start	409	End	1522
Name	OJ000117_11.0223.C12.o1.gs	Method	GENSCAN
Start	442	End	1522
GI	none	Score	.66
Exons	442..527, 1083..1309, 1393..1522		

Seq. No.	38580	Seq. ID	OJ000117_11.0223.C12
Gene No.	79368	Strand	-
Start	4102	End	5457
Name	OJ000117_11.0223.C12.o1.tm	Method	TBLASTX:Maize
Start	443	End	735
GI	none	Score	41
Exons	443..505, 500..523, 522..641, 526..642, 526..660, 666..728, 667..735, 672..728		

Seq. No.	38580	Seq. ID	OJ000117_11.0223.C12
Gene No.	79368	Strand	-
Start	4102	End	5457
Name	OJ000117_11.0223.C12.o2.gs	Method	GENSCAN
Start	4102	End	5457
GI	none	Score	.66
Exons	4102..4238, 4597..4757, 5447..5457		

Seq. No.	38581	Seq. ID	OJ000117_11.0223.C13
Gene No.	79369	Strand	-
Start	116	End	2186
Name	OJ000117_11.0223.C13.o1.gp	Method	AAT/GAP
Start	116	End	1788
GI	60242_1.R1084	Score	1259
Exons	116..474, 1129..1334, 1673..1788		
GI Descrip.	'2191173 6.0e-34 (AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]'		

Seq. No.	38581	Seq. ID	OJ000117_11.0223.C13
Gene No.	79369	Strand	-
Start	116	End	2186
Name	OJ000117_11.0223.C13.o1.np	Method	AAT/NAP
Start	263	End	1902
GI	2191173	Score	374
Exons	263..474, 1123..1334, 1673..1902		
GI Descrip.	(AF007270) contains similarity to DNA polymerase III, alpha chain (SP:P47277) [Arabidopsis thaliana]		

Seq. No.	38581	Seq. ID	OJ000117_11.0223.C13
Gene No.	79369	Strand	-
Start	116	End	2186
Name	OJ000117_11.0223.C13.o1.gs	Method	GENSCAN
Start	278	End	2052
GI	none	Score	.85
Exons	278..474, 1129..1334, 1673..2052		

Seq. No.	38581	Seq. ID	OJ000117_11.0223.C13

Gene No.	79369	Strand	-
Start	116	End	2186
Name	OJ000117_11.0223.C13.o1.tm	Method	TBLASTX:Maize
Start	296	End	1876
GI	none	Score	113
Exons	296..457, 1106..1360, 1107..1337, 1672..1710, 1720..1875, 1739..1876		

Seq. No.	38581	Seq. ID	OJ000117_11.0223.C13
Gene No.	79369	Strand	-
Start	116	End	2186
Name	OJ000117_11.0223.C13.o2.gp	Method	AAT/GAP
Start	1823	End	2186
GI	71733_1.R1084	Score	527
Exons	1823..2095, 2155..2186		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79370	Strand	+
Start	253	End	2365
Name	OJ000117_11.0223.C14.o1.gs	Method	GENSCAN
Start	253	End	2365
GI	none	Score	.54
Exons	253..312, 478..499, 611..683, 762..878, 1496..1637, 2027..2099, 2305..2365		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o2.gs	Method	GENSCAN
Start	5172	End	13954
GI	none	Score	.46
Exons	5172..5311, 7058..7124, 7399..7468, 7567..7667, 8023..8163, 8885..9004, 9163..9269, 9452..9601, 9936..10115, 11112..11178, 11266..11328, 11885..12001, 12091..12207, 13249..13359, 13649..13742, 13836..13954		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o1.np	Method	AAT/NAP
Start	5175	End	8214
GI	1773330	Score	1229
Exons	5175..5311, 6284..6408, 6499..6545, 6646..6723, 6816..6940, 7058..7124, 7209..7271, 7399..7468, 7567..7667, 7823..7927, 8023..8214		
GI Descrip.	(U80071) glycolate oxidase [Mesembryanthemum crystallinum]		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o1.gp	Method	AAT/GAP
Start	6372	End	7287
GI	LIB3433-023-P1-K1-H7	Score	653
Exons	6372..6408, 6499..6545, 6646..6723, 6816..6940, 7058..7124, 7209..7287		
GI Descrip.	'228403/prf||1803516A 2.0e-59 glycolate oxidase [Lens		

culinaris]'

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o2.np	Method	AAT/NAP
Start	9976	End	12313
GI	4481936	Score	299
Exons	9976..10115, 10325..10449, 10537..10583, 10664..10741, 10827..10968, 11231..11328, 11474..11543, 11631..11731, 11897..12001, 12091..12313		
GI Descrip.	(AL035640) putative glycolate oxidase [Streptomyces coelicolor]		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o3.np	Method	AAT/NAP
Start	10679	End	12273
GI	2501812	Score	706
Exons	10679..10741, 10827..10951, 11112..11178, 11266..11328, 11474..11543, 11631..11731, 11897..12001, 12091..12273		
GI Descrip.	(U91509) glycolate oxidase [Arabidopsis thaliana]		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o3.gp	Method	AAT/GAP
Start	13293	End	13945
GI	327_1.R1084	Score	470
Exons	13293..13359, 13649..13742, 13836..13945		
GI Descrip.	'6094345/sp|O04433|SR14_ORYSA 4.0e-47 SIGNAL RECOGNITION PARTICLE 14 KD PROTEIN (SRP14) >gi_2208962_emb_CAA71204_ (Y10118) signal recognition particle subunit 14 [Oryza sativa]'		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79371	Strand	+
Start	5172	End	14967
Name	OJ000117_11.0223.C14.o4.np	Method	AAT/NAP
Start	13646	End	14967
GI	6094345	Score	297
Exons	13646..13742, 13836..14008, 14932..14967		
GI Descrip.	SIGNAL RECOGNITION PARTICLE 14 KD PROTEIN (SRP14) gi|2208962|emb|CAA71204| (Y10118) signal recognition particle subunit 14 [Oryza sativa]		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79372	Strand	-
Start	12134	End	12571
Name	OJ000117_11.0223.C14.o1.tm	Method	TBLASTX:Maize
Start	5172	End	12261
GI	none	Score	227
Exons	5172..5312, 5183..5311, 5260..5313, 6284..6409, 6285..6410, 6500..6550, 6642..6728, 6645..6725, 6646..6729, 6812..6943, 6816..6941, 6817..6945, 6820..6942, 7054..7122, 7055..7123, 7055..7123, 7056..7124, 7060..7125, 7206..7268, 7206..7268, 7207..7272, 7396..7473, 7396..7470, 7398..7472, 7566..7667, 7567..7668, 7568..7669, 7569..7670, 7598..7669, 7820..7930,		

7822..7926, 7850..7930, 8023..8172, 8023..8142, 9976..10116,
9976..10116, 10320..10451, 10320..10451, 10538..10588,
10663..10743, 10664..10744, 10827..10952, 10829..10954,
10830..10952, 10832..10954, 11110..11178, 11111..11170,
11254..11337, 11256..11339, 11257..11328, 11471..11545,
11471..11545, 11473..11547, 11626..11733, 11633..11734,
11783..11818, 11894..12004, 11896..12000, 12091..12261,
12091..12258

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79372	Strand	-
Start	12134	End	12571
Name	OJ000117_11.0223.C14.o1.tc	Method	TBLASTX:Cress
Start	5181	End	11977
GI	none	Score	200

Exons 5181..5312, 5181..5300, 5183..5311, 6285..6410, 6287..6409,
6639..6728, 6645..6731, 6646..6729, 6812..6943, 6816..6941,
7037..7120, 7056..7124, 7056..7130, 7206..7268, 7206..7253,
7213..7272, 7396..7485, 7398..7472, 7566..7670, 7569..7667,
7598..7669, 7820..7903, 7822..7899, 9985..10116, 9985..10098,
9987..10115, 10320..10451, 10326..10445, 10358..10450,
10544..10582, 10663..10743, 10664..10744, 10664..10744,
10820..10954, 10827..10952, 11101..11178, 11257..11337,
11471..11545, 11471..11542, 11626..11733, 11630..11734,
11894..11977, 11896..11973

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79372	Strand	-
Start	12134	End	12571
Name	OJ000117_11.0223.C14.o1.ts	Method	TBLASTX:Soybean
Start	5181	End	12270
GI	none	Score	205

Exons 5181..5312, 5183..5311, 5232..5312, 6284..6409, 6285..6410,
6470..6544, 6645..6728, 6645..6731, 6646..6729, 6813..6938,
6815..6943, 6816..6941, 6818..6949, 7055..7123, 7056..7124,
7056..7130, 7057..7131, 7206..7268, 7396..7485, 7398..7472,
7551..7670, 7551..7640, 7598..7669, 7820..7930, 7822..7926,
8022..8180, 8023..8172, 9985..10116, 9985..10116, 9986..10117,
9992..10117, 10320..10451, 10358..10450, 10538..10576,
10663..10743, 10664..10744, 10824..10949, 10827..10952,
10829..10960, 10829..10954, 11101..11178, 11257..11328,
11471..11545, 11626..11733, 11633..11734, 11894..12004,
11896..12000, 12090..12248, 12091..12270, 12091..12249

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79372	Strand	-
Start	12134	End	12571
Name	OJ000117_11.0223.C14.o3.tc	Method	TBLASTX:Cress
Start	7904	End	12276
GI	none	Score	40

Exons 7904..7930, 8022..8195, 8023..8172, 11978..12004, 12090..12275,
12091..12276

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79372	Strand	-
Start	12134	End	12571
Name	OJ000117_11.0223.C14.o2.gp	Method	AAT/GAP

Start	12134	End	12571
GI	51286_1.R1084	Score	806
Exons	12134..12571		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-69 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79373	Strand	
Start	13579	End	13963
Name	OJ000117_11.0223.C14.o2.tc	Method	TBLASTX:Cress
Start	13579	End	13948
GI	none	Score	130
Exons	13579..13737, 13595..13741, 13835..13948, 13879..13947		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79373	Strand	
Start	13579	End	13963
Name	OJ000117_11.0223.C14.o2.tm	Method	TBLASTX:Maize
Start	13647	End	13963
GI	none	Score	150
Exons	13647..13742, 13649..13741, 13650..13754, 13835..13963, 13844..13945, 13852..13947		

Seq. No.	38582	Seq. ID	OJ000117_11.0223.C14
Gene No.	79373	Strand	
Start	13579	End	13963
Name	OJ000117_11.0223.C14.o2.ts	Method	TBLASTX:Soybean
Start	13648	End	13948
GI	none	Score	67
Exons	13648..13731, 13648..13740, 13649..13741, 13835..13948, 13837..13947		

Seq. No.	38583	Seq. ID	OJ000117_11.0223.C15
Gene No.	79374	Strand	+
Start	1	End	116
Name	OJ000117_11.0223.C15.o1.gp	Method	AAT/GAP
Start	1	End	116
GI	327_1.R1084	Score	225
Exons	1..116		
GI Descrip.	'6094345/sp|O04433|SR14_ORYSA 4.0e-47 SIGNAL RECOGNITION PARTICLE 14 KD PROTEIN (SRP14) >gi_2208962_emb_CAA71204_ (Y10118) signal recognition particle subunit 14 [Oryza sativa]'		

Seq. No.	38584	Seq. ID	OJ000117_11.0223.C16
Gene No.	79375	Strand	+
Start	1	End	351
Name	OJ000117_11.0223.C16.o1.np	Method	AAT/NAP
Start	1	End	351
GI	4531444	Score	186
Exons	1..109, 230..351		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	38584	Seq. ID	OJ000117_11.0223.C16
Gene No.	79375	Strand	+
Start	1	End	351
Name	OJ000117_11.0223.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	322

GI	none	Score	127
Exons	1..111, 1..51, 3..140, 5..115, 211..321, 221..322, 224..322		

Seq. No.	38584	Seq. ID	OJ000117_11.0223.C16
Gene No.	79375	Strand	+
Start	1	End	351
Name	OJ000117_11.0223.C16.o1.gp	Method	AAT/GAP
Start	8	End	351
GI	uC-osflcyp039h01b1	Score	310
Exons	8..109, 230..351		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-19 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38584	Seq. ID	OJ000117_11.0223.C16
Gene No.	79375	Strand	+
Start	1	End	351
Name	OJ000117_11.0223.C16.o1.ts	Method	TBLASTX:Soybean
Start	34	End	321
GI	none	Score	55
Exons	34..111, 214..321, 221..319		

Seq. No.	38584	Seq. ID	OJ000117_11.0223.C16
Gene No.	79375	Strand	+
Start	1	End	351
Name	OJ000117_11.0223.C16.o1.gs	Method	GENSCAN
Start	58	End	318
GI	none	Score	.96
Exons	58..109, 230..318		

Seq. No.	38585	Seq. ID	OJ000117_11.0223.C17
Gene No.	79376	Strand	-
Start	98	End	202
Name	OJ000117_11.0223.C17.o1.gs	Method	GENSCAN
Start	98	End	202
GI	none	Score	.5
Exons	98..202		

Seq. No.	38586	Seq. ID	OJ000117_11.0223.C18
Gene No.	79377	Strand	-
Start	1	End	1779
Name	OJ000117_11.0223.C18.o1.gp	Method	AAT/GAP
Start	1	End	1779
GI	2943741	Score	3506
Exons	1..1779		
GI Descrip.	2943742/dbj|BAA25068| 0.0e+00 (AB002266) XA1 [Oryza sativa]		

Seq. No.	38586	Seq. ID	OJ000117_11.0223.C18
Gene No.	79377	Strand	-
Start	1	End	1779
Name	OJ000117_11.0223.C18.o1.np	Method	AAT/NAP
Start	1	End	1779
GI	2943742	Score	3014
Exons	1..1779		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38586	Seq. ID	OJ000117_11.0223.C18
Gene No.	79377	Strand	-

Start	1	End	1779
Name	OJ000117_11.0223.C18.o1.ts	Method	TBLASTX:Soybean
Start	625	End	1779
GI	none	Score	40
Exons	625..729, 1282..1422, 1292..1396, 1504..1779, 1511..1582, 1625..1762		

Seq. No.	38586	Seq. ID	OJ000117_11.0223.C18
Gene No.	79377	Strand	-
Start	1	End	1779
Name	OJ000117_11.0223.C18.o1.tm	Method	TBLASTX:Maize
Start	1351	End	1779
GI	none	Score	59
Exons	1351..1464, 1489..1779, 1490..1633		

Seq. No.	38587	Seq. ID	OJ000117_11.0223.C19
Gene No.	79378	Strand	-
Start	1	End	3674
Name	OJ000117_11.0223.C19.o1.gp	Method	AAT/GAP
Start	1	End	2079
GI	2943741	Score	2416
Exons	1..509, 1160..1469, 1575..1930, 2017..2079		
GI Descrip.	2943742/dbj|BAA25068| 0.0e+00 (AB002266) XA1 [Oryza sativa]		

Seq. No.	38587	Seq. ID	OJ000117_11.0223.C19
Gene No.	79378	Strand	-
Start	1	End	3674
Name	OJ000117_11.0223.C19.o1.np	Method	AAT/NAP
Start	1	End	1881
GI	2943742	Score	1865
Exons	1..509, 1160..1469, 1575..1881		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38587	Seq. ID	OJ000117_11.0223.C19
Gene No.	79378	Strand	-
Start	1	End	3674
Name	OJ000117_11.0223.C19.o1.gs	Method	GENSCAN
Start	98	End	3674
GI	none	Score	.76
Exons	98..566, 1160..1469, 1575..1930, 2017..2165, 2409..2622, 2705..2821, 3367..3392, 3569..3674		

Seq. No.	38588	Seq. ID	OJ000117_11.0223.C20
Gene No.	79379	Strand	-
Start	670	End	1356
Name	OJ000117_11.0223.C20.o1.gs	Method	GENSCAN
Start	670	End	1356
GI	none	Score	.47
Exons	670..776, 1191..1356		

Seq. No.	38589	Seq. ID	OJ000117_11.0223.C21
Gene No.	79380	Strand	+
Start	786	End	939
Name	OJ000117_11.0223.C21.o1.gp	Method	AAT/GAP
Start	786	End	939
GI	3683_1.R1084	Score	190
Exons	786..939		

GI Descrip. '5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No.	38590	Seq. ID	OJ000117_11.0223.C22
Gene No.	79381	Strand	+
Start	1	End	767
Name	OJ000117_11.0223.C22.o1.np	Method	AAT/NAP
Start	1	End	767
GI	2943742	Score	806
Exons	1..767		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79382	Strand	+
Start	1	End	2250
Name	OJ000117_11.0223.C23.o1.np	Method	AAT/NAP
Start	1	End	2250
GI	2943742	Score	1966
Exons	1..33, 254..424, 629..2250		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79383	Strand	+
Start	8328	End	10387
Name	OJ000117_11.0223.C23.o3.gs	Method	GENSCAN
Start	8328	End	10387
GI	none	Score	.82
Exons	8328..8707, 9462..9651, 9716..10387		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79384	Strand	+
Start	13502	End	16142
Name	OJ000117_11.0223.C23.o5.gs	Method	GENSCAN
Start	13502	End	16013
GI	none	Score	.85
Exons	13502..13562, 13963..14184, 14469..14634, 14727..14800, 14879..15179, 15277..16013		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79384	Strand	+
Start	13502	End	16142
Name	OJ000117_11.0223.C23.o3.np	Method	AAT/NAP
Start	14498	End	16142
GI	2943742	Score	870
Exons	14498..14811, 14870..15179, 15298..15827, 15858..16142		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79385	Strand	-
Start	693	End	2395
Name	OJ000117_11.0223.C23.o1.gp	Method	AAT/GAP
Start	693	End	2395
GI	2943741	Score	2418
Exons	693..2395		
GI Descrip.	2943742/dbj|BAA25068| 0.0e+00 (AB002266) XA1 [Oryza sativa]		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23

Gene No.	79386	Strand	-
Start	3472	End	8134
Name	OJ000117_11.0223.C23.o2.gp	Method	AAT/GAP
Start	3039	End	6397
GI	14090_1.R1084	Score	1723
Exons	3039..3530, 3628..3720, 4621..4678, 6095..6397		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-47 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79386	Strand	-
Start	3472	End	8134
Name	OJ000117_11.0223.C23.o2.gs	Method	GENSCAN
Start	3472	End	8134
GI	none	Score	.52
Exons	3472..3530, 3628..3720, 3867..3931, 4089..4169, 4629..4678, 6095..6491, 6503..7034, 7932..8045, 8068..8134		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79386	Strand	-
Start	3472	End	8134
Name	OJ000117_11.0223.C23.o2.np	Method	AAT/NAP
Start	3623	End	6888
GI	5903104	Score	286
Exons	3623..3736, 6095..6888		
GI Descrip.	(AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana] gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79387	Strand	-
Start	10670	End	12304
Name	OJ000117_11.0223.C23.o1.ts	Method	TBLASTX:Soybean
Start	3482	End	6897
GI	none	Score	43
Exons	3482..3535, 3659..3724, 3660..3722, 6206..6496, 6218..6376, 6339..6479, 6577..6897, 6578..6784, 6610..6879		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79387	Strand	-
Start	10670	End	12304
Name	OJ000117_11.0223.C23.o1.tm	Method	TBLASTX:Maize
Start	3627	End	6813
GI	none	Score	82
Exons	3627..3650, 3652..3726, 3659..3724, 4608..4703, 4613..4678, 6146..6382, 6161..6505, 6183..6509, 6333..6503, 6434..6505, 6535..6813, 6536..6790, 6538..6813		

Seq. No.	38591	Seq. ID	OJ000117_11.0223.C23
Gene No.	79387	Strand	-
Start	10670	End	12304
Name	OJ000117_11.0223.C23.o4.gs	Method	GENSCAN
Start	10670	End	12304
GI	none	Score	.77
Exons	10670..11073, 11741..11929, 11951..12061, 12079..12304		

Seq. No.	38592	Seq. ID	OJ000117_11.0223.C24
Gene No.	79388	Strand	-
Start	256	End	534
Name	OJ000117_11.0223.C24.o1.gs	Method	GENSCAN
Start	256	End	534
GI	none	Score	.73
Exons	256..534		

Seq. No.	38592	Seq. ID	OJ000117_11.0223.C24
Gene No.	79388	Strand	-
Start	256	End	534
Name	OJ000117_11.0223.C24.o1.np	Method	AAT/NAP
Start	377	End	460
GI	6006359	Score	49
Exons	377..460		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	38593	Seq. ID	OJ000117_11.0223.C27
Gene No.	79389	Strand	+
Start	482	End	2648
Name	OJ000117_11.0223.C27.o1.gs	Method	GENSCAN
Start	482	End	2648
GI	none	Score	.42
Exons	482..565, 986..1080, 2538..2648		

Seq. No.	38594	Seq. ID	OJ000117_11.0223.C28
Gene No.	79390	Strand	+
Start	739	End	3788
Name	OJ000117_11.0223.C28.o1.gs	Method	GENSCAN
Start	739	End	3788
GI	none	Score	.4
Exons	739..916, 3646..3788		

Seq. No.	38594	Seq. ID	OJ000117_11.0223.C28
Gene No.	79391	Strand	-
Start	4231	End	4431
Name	OJ000117_11.0223.C28.o1.np	Method	AAT/NAP
Start	4165	End	4431
GI	5852084	Score	92
Exons	4165..4272, 4405..4431		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	38594	Seq. ID	OJ000117_11.0223.C28
Gene No.	79391	Strand	-
Start	4231	End	4431
Name	OJ000117_11.0223.C28.o2.gs	Method	GENSCAN
Start	4231	End	4368
GI	none	Score	.66
Exons	4231..4276, 4292..4368		

Seq. No.	38595	Seq. ID	OJ000117_11.0223.C30
Gene No.	79392	Strand	-
Start	1	End	1064
Name	OJ000117_11.0223.C30.o1.np	Method	AAT/NAP
Start	1	End	1064
GI	2943742	Score	564
Exons	1..33, 285..1064		

GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No.	38595	Seq. ID	OJ000117_11.0223.C30
Gene No.	79392	Strand	-
Start	1	End	1064
Name	OJ000117_11.0223.C30.o1.gs	Method	GENSCAN
Start	37	End	997
GI	none	Score	.45
Exons	37..997		

Seq. No.	38596	Seq. ID	OJ000117_11.0223.C31
Gene No.	79393	Strand	+
Start	1	End	554
Name	OJ000117_11.0223.C31.o1.np	Method	AAT/NAP
Start	1	End	554
GI	2943742	Score	184
Exons	1..25, 160..554		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	38597	Seq. ID	OJ000117_09.0222.C2
Gene No.	79394	Strand	-
Start	289	End	386
Name	OJ000117_09.0222.C2.o1.gs	Method	GENSCAN
Start	289	End	386
GI	none	Score	.52
Exons	289..386		

Seq. No.	38598	Seq. ID	OJ000117_09.0222.C3
Gene No.	79395	Strand	-
Start	171	End	453
Name	OJ000117_09.0222.C3.o1.gs	Method	GENSCAN
Start	171	End	453
GI	none	Score	.6
Exons	171..453		

Seq. No.	38599	Seq. ID	OJ000117_09.0222.C8
Gene No.	79396	Strand	-
Start	381	End	481
Name	OJ000117_09.0222.C8.o1.gp	Method	AAT/GAP
Start	381	End	481
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	381..481		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38600	Seq. ID	OJ000117_09.0222.C9
Gene No.	79397	Strand	-
Start	300	End	359
Name	OJ000117_09.0222.C9.o1.gs	Method	GENSCAN
Start	300	End	359
GI	none	Score	.75
Exons	300..359		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397

Name	OJ000117_09.0222.C10.o1.gp	Method	AAT/GAP
Start	1	End	397
GI	41109_1.R1084	Score	737
Exons	1..397		
GI Descrip.	'132712/sp|P12138|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397
Name	OJ000117_09.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	384
GI	132712	Score	604
Exons	1..384		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933| (X15901) ribosomal protein L16 [Oryza sativa] gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397
Name	OJ000117_09.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	380
GI	none	Score	330
Exons	1..204, 2..205, 175..378, 176..337, 189..380, 195..374		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397
Name	OJ000117_09.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	289
GI	none	Score	299
Exons	1..204, 2..205, 175..288, 176..289		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397
Name	OJ000117_09.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	380
GI	none	Score	211
Exons	2..205, 2..190, 3..191, 175..378, 176..337, 189..380, 241..375		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79398	Strand	-
Start	1	End	397
Name	OJ000117_09.0222.C10.o1.tc	Method	TBLASTX:Cress
Start	59	End	378
GI	none	Score	180
Exons	59..190, 60..200, 70..204, 74..205, 175..378, 176..334, 190..372		

Seq. No.	38601	Seq. ID	OJ000117_09.0222.C10
Gene No.	79399	Strand	
Start	321	End	647

Name	OJ000117_09.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	321	End	647
GI	none	Score	125
Exons	321..395, 322..396, 322..396, 366..491, 392..496, 396..491, 401..526, 510..533, 511..576, 512..535, 535..579, 586..645, 588..647, 588..647		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79400	Strand	+
Start	1	End	925
Name	OJ000117_09.0222.C11.o1.gp	Method	AAT/GAP
Start	1	End	925
GI	2291_1.R1084	Score	1734
Exons	1..925		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79401	Strand	+
Start	1526	End	3793
Name	OJ000117_09.0222.C11.o1.gs	Method	GENSCAN
Start	1526	End	2390
GI	none	Score	.62
Exons	1526..1568, 1758..1993, 2217..2390		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79401	Strand	+
Start	1526	End	3793
Name	OJ000117_09.0222.C11.o2.gp	Method	AAT/GAP
Start	1856	End	3793
GI	none	Score	941
Exons	1856..2038, 2217..2262, 3381..3468, 3586..3793		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79402	Strand	-
Start	742	End	2461
Name	OJ000117_09.0222.C11.o1.np	Method	AAT/NAP
Start	742	End	2461
GI	133936	Score	297
Exons	742..978, 2423..2461		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934| (X15901) ribosomal protein S3 [Oryza sativa] gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	533
GI	none	Score	146
Exons	1..120, 2..154, 125..178, 127..180, 175..252, 183..251, 252..278, 252..281, 288..344, 291..383, 336..383, 363..473, 365..523, 369..533, 383..523		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	2	End	931
GI	none	Score	63
Exons	2..91, 5..97, 6..149, 215..247, 217..243, 241..282, 389..451, 570..617, 574..600, 697..930, 739..924, 740..931, 851..928		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	202	End	609
GI	none	Score	60
Exons	202..246, 211..243, 251..283, 252..344, 252..347, 333..383, 336..383, 357..473, 373..495, 386..511, 463..522, 540..608, 565..609, 566..586, 574..609		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	676	End	938
GI	none	Score	241
Exons	676..936, 678..881, 684..938, 698..937		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	753	End	977
GI	none	Score	102
Exons	753..881, 754..924, 755..928, 756..977		

Seq. No.	38602	Seq. ID	OJ000117_09.0222.C11
Gene No.	79403	Strand	-
Start	3147	End	4025
Name	OJ000117_09.0222.C11.o2.gs	Method	GENSCAN
Start	3147	End	4025
GI	none	Score	.52
Exons	3147..3223, 3516..3676, 3716..3878, 3926..4025		

Seq. No.	38603	Seq. ID	OJ000117_09.0222.C12
Gene No.	79404	Strand	+
Start	429	End	604
Name	OJ000117_09.0222.C12.o1.gs	Method	GENSCAN
Start	429	End	604
GI	none	Score	.56
Exons	429..604		

Seq. No.	38603	Seq. ID	OJ000117_09.0222.C12
Gene No.	79405	Strand	+
Start	513	End	678
Name	OJ000117_09.0222.C12.o1.np	Method	AAT/NAP
Start	513	End	678

GI	2244910	Score	120
Exons	513..678		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38603	Seq. ID	OJ000117_09.0222.C12
Gene No.	79405	Strand	+
Start	513	End	678
Name	OJ000117_09.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	513	End	677
GI	none	Score	209
Exons	513..677, 513..668		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79406	Strand	+
Start	1	End	140
Name	OJ000117_09.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	140
GI	132672	Score	202
Exons	1..140		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79407	Strand	+
Start	282	End	1138
Name	OJ000117_09.0222.C13.o2.np	Method	AAT/NAP
Start	282	End	689
GI	134022	Score	661
Exons	282..689		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 gi|70914|pir||R3RZ8 ribosomal protein S8 - rice chloroplast gi|12022|emb|CAA33931| (X15901) ribosomal protein S8 [Oryza sativa] gi|226643|prf||1603356BT ribosomal protein S8 [Oryza sativa]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79407	Strand	+
Start	282	End	1138
Name	OJ000117_09.0222.C13.o1.gs	Method	GENSCAN
Start	333	End	1130
GI	none	Score	.75
Exons	333..441, 919..1130		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79407	Strand	+
Start	282	End	1138
Name	OJ000117_09.0222.C13.o2.gp	Method	AAT/GAP
Start	750	End	1138
GI	5003883	Score	746
Exons	750..1138		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79407	Strand	+
Start	282	End	1138

Name	OJ000117_09.0222.C13.o3.np	Method	AAT/NAP
Start	807	End	1127
GI	124197	Score	519
Exons	807..1127		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79408	Strand	+
Start	5737	End	5826
Name	OJ000117_09.0222.C13.o5.np	Method	AAT/NAP
Start	5737	End	5826
GI	4680183	Score	117
Exons	5737..5826		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79409	Strand	+
Start	6523	End	7672
Name	OJ000117_09.0222.C13.o6.np	Method	AAT/NAP
Start	6523	End	7672
GI	6815109	Score	255
Exons	6523..6790, 6823..7282, 7454..7672		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79410	Strand	-
Start	387	End	774
Name	OJ000117_09.0222.C13.o1.gp	Method	AAT/GAP
Start	387	End	774
GI	uC-osflcyp086h07a1	Score	689
Exons	387..774		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o2.tw	Method	TBLASTX:Wheat
Start	1	End	254
GI	none	Score	199
Exons	1..132, 2..169, 3..143, 167..214, 178..213, 179..235, 183..245, 215..253, 219..254		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o3.tc	Method	TBLASTX:Cress
Start	1	End	128
GI	none	Score	183
Exons	1..126, 2..127, 3..128		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13

Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	695
GI	none	Score	192
Exons	3..143, 9..125, 11..154, 140..175, 208..258, 221..247, 245..466, 281..472, 282..488, 479..694, 483..695		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	44	End	1234
GI	none	Score	142
Exons	44..175, 45..143, 68..175, 170..763, 173..709, 706..756, 710..760, 771..1139, 828..1085, 859..1137, 1144..1233, 1166..1234, 1184..1234		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	128	End	695
GI	none	Score	42
Exons	128..181, 157..213, 216..257, 224..256, 272..466, 273..461, 279..488, 281..475, 483..695, 491..694		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	333	End	760
GI	none	Score	591
Exons	333..707, 335..757, 336..758, 628..708, 706..756, 710..760		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o3.ts	Method	TBLASTX:Soybean
Start	849	End	1052
GI	none	Score	263
Exons	849..1052, 863..1051		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o2.gs	Method	GENSCAN
Start	1920	End	7622
GI	none	Score	.64
Exons	1920..1974, 2105..2231, 2825..3035, 3724..4053, 6647..6800, 6943..7081, 7176..7233, 7305..7622		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o4.np	Method	AAT/NAP
Start	1931	End	4232

GI	4249413	Score	536
Exons	1931..1974, 2058..2231, 2825..3031, 4044..4232		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o3.tm	Method	TBLASTX:Maize
Start	1941	End	2170
GI	none	Score	155
Exons	1941..1976, 2059..2169, 2060..2170		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o2.ts	Method	TBLASTX:Soybean
Start	2062	End	3044
GI	none	Score	206
Exons	2062..2229, 2063..2230, 2812..3030, 2823..3044, 2826..3044		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o2.tm	Method	TBLASTX:Maize
Start	2171	End	3864
GI	none	Score	83
Exons	2171..2230, 2173..2229, 2821..2934, 2822..2902, 2823..2915, 2893..3033, 2897..3040, 2900..3037, 2901..3044, 2907..3044, 3721..3765, 3722..3784, 3802..3864		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o2.tc	Method	TBLASTX:Cress
Start	2174	End	3041
GI	none	Score	82
Exons	2174..2239, 2176..2232, 2819..2860, 2821..2991, 2822..2989, 2823..2993, 2823..2990, 2967..3041, 2968..3039		

Seq. No.	38604	Seq. ID	OJ000117_09.0222.C13
Gene No.	79411	Strand	-
Start	1920	End	7672
Name	OJ000117_09.0222.C13.o7.np	Method	AAT/NAP
Start	6587	End	7672
GI	4584539	Score	190
Exons	6587..7672		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79412	Strand	+
Start	1284	End	2816
Name	OJ000117_09.0222.C14.o1.gs	Method	GENSCAN
Start	1284	End	2816
GI	none	Score	.43
Exons	1284..1342, 2224..2338, 2371..2578, 2716..2816		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14

Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o1.np	Method	AAT/NAP
Start	2545	End	6256
GI	2827551	Score	315
Exons	2545..2578, 4702..5145, 6237..6256		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o1.gp	Method	AAT/GAP
Start	4388	End	5077
GI	4716526	Score	1182
Exons	4388..5077		
GI Descrip.	2827551/emb|CAA16559| 1.0e-10 (AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o2.gs	Method	GENSCAN
Start	4639	End	5112
GI	none	Score	.89
Exons	4639..5112		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o2.np	Method	AAT/NAP
Start	5158	End	8633
GI	2827551	Score	259
Exons	5158..5175, 7306..7725, 8504..8633		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o3.gp	Method	AAT/GAP
Start	7046	End	7232
GI	2796383	Score	361
Exons	7046..7232		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79413	Strand	-
Start	2545	End	15408
Name	OJ000117_09.0222.C14.o4.gs	Method	GENSCAN
Start	7220	End	15408
GI	none	Score	.52
Exons	7220..7735, 9277..9471, 11928..12280, 12996..13133, 14716..14850, 15330..15408		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	4576	End	7720

GI	none	Score	408
Exons	4576..4620, 4657..5061, 4658..5062, 4665..5063, 5051..5146, 5056..5145, 5058..5147, 7268..7663, 7310..7663, 7525..7665, 7658..7720, 7658..7720		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o1.ts	Method	TBLASTX:Soybean
Start	4777	End	7726
GI	none	Score	170
Exons	4777..5142, 4784..5122, 7379..7726, 7448..7726		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o3.tc	Method	TBLASTX:Cress
Start	4894	End	7720
GI	none	Score	81
Exons	4894..5145, 4904..5143, 7523..7720		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o5.gs	Method	GENSCAN
Start	15979	End	22721
GI	none	Score	.8
Exons	15979..16458, 16469..16713, 16779..17319, 18475..18523, 19728..19860, 20354..20376, 20532..20623, 20711..20788, 20963..21100, 21346..21474, 21757..21886, 22039..22216, 22583..22721		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o4.gp	Method	AAT/GAP
Start	20152	End	22722
GI	198_1.R1084	Score	2181
Exons	20152..20450, 20532..20623, 20711..20788, 20963..21100, 21346..21474, 21757..21886, 22039..22216, 22583..22722		
GI Descrip.	'2443402/dbj|BAA22419| 0.0e+00 (D87745) orthophosphate dikinase [Oryza sativa] >gi_2443405_dbj_BAA22420_ (D87952) orthophosphate dikinase [Oryza sativa]'		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o2.tm	Method	TBLASTX:Maize
Start	20341	End	22722
GI	none	Score	63
Exons	20341..20394, 20351..20410, 20383..20451, 20384..20458, 20385..20456, 20531..20626, 20532..20624, 20533..20625, 20651..20791, 20702..20788, 20928..21101, 20960..21103, 20962..21102, 20963..21103, 21325..21477, 21343..21477, 21753..21887, 21755..21889, 21757..21909, 21761..21910, 22030..22209, 22035..22235, 22036..22233, 22037..22240, 22578..22715, 22581..22715, 22582..22722		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o2.ts	Method	TBLASTX:Soybean
Start	20341	End	21023
GI	none	Score	46
Exons	20341..20373, 20342..20374, 20390..20458, 20409..20456, 20531..20626, 20532..20624, 20702..20788, 20705..20791, 20940..21023, 20960..21022, 20961..21023		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o2.tc	Method	TBLASTX:Cress
Start	20403	End	21477
GI	none	Score	64
Exons	20403..20453, 20531..20626, 20532..20624, 20702..20788, 20708..20791, 20960..21103, 20961..21101, 20961..21116, 21293..21475, 21316..21477, 21343..21477		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o3.np	Method	AAT/NAP
Start	20411	End	22780
GI	2443402	Score	1334
Exons	20411..20450, 20532..20623, 20711..20788, 20963..21100, 21346..21474, 21757..21886, 22039..22216, 22583..22780		
GI Descrip.	(D87745) orthophosphate dikinase [Oryza sativa] gi|2443405|dbj|BAA22420| (D87952) orthophosphate dikinase [Oryza sativa]		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o3.ts	Method	TBLASTX:Soybean
Start	21026	End	22202
GI	none	Score	112
Exons	21026..21076, 21316..21468, 21343..21477, 21752..21910, 21757..21909, 22025..22186, 22032..22202, 22035..22202		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o1.tw	Method	TBLASTX:Wheat
Start	21382	End	22659
GI	none	Score	99
Exons	21382..21489, 21382..21477, 21752..21910, 21757..21909, 22030..22233, 22035..22235, 22035..22235, 22578..22652, 22582..22653, 22582..22659, 22584..22655		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o1.tc	Method	TBLASTX:Cress
Start	21726	End	22737

GI	none	Score	65
Exons	21726..21893, 21752..21910, 21757..21909, 21961..21996, 22035..22232, 22036..22245, 22578..22607, 22596..22706, 22597..22737		

Seq. No.	38605	Seq. ID	OJ000117_09.0222.C14
Gene No.	79414	Strand	-
Start	15979	End	22780
Name	OJ000117_09.0222.C14.o4.ts	Method	TBLASTX:Soybean
Start	22578	End	22722
GI	none	Score	145
Exons	22578..22715, 22581..22709, 22582..22722		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79415	Strand	+
Start	6925	End	7221
Name	OJ000117_09.0222.C15.o2.gs	Method	GENSCAN
Start	6925	End	7221
GI	none	Score	.57
Exons	6925..7073, 7119..7221		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79416	Strand	-
Start	142	End	4987
Name	OJ000117_09.0222.C15.o1.gp	Method	AAT/GAP
Start	142	End	4949
GI	198_1.R1084	Score	2982
Exons	142..303, 438..602, 791..928, 1539..1718, 2011..2139, 2324..2559, 2677..2839, 4298..4435, 4552..4785, 4891..4949		
GI Descrip.	'2443402/dbj|BAA22419| 0.0e+00 (D87745) orthophosphate dikinase [Oryza sativa] >gi_2443405_dbj_BAA22420_ (D87952) orthophosphate dikinase [Oryza sativa]'		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79416	Strand	-
Start	142	End	4987
Name	OJ000117_09.0222.C15.o1.np	Method	AAT/NAP
Start	142	End	4987
GI	2443402	Score	2442
Exons	142..303, 438..602, 791..928, 1539..1718, 2011..2139, 2324..2559, 2677..2839, 4298..4435, 4552..4785, 4891..4987		
GI Descrip.	(D87745) orthophosphate dikinase [Oryza sativa] gi|2443405|dbj|BAA22420| (D87952) orthophosphate dikinase [Oryza sativa]		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79416	Strand	-
Start	142	End	4987
Name	OJ000117_09.0222.C15.o1.gs	Method	GENSCAN
Start	142	End	4755
GI	none	Score	.96
Exons	142..303, 791..928, 1539..1718, 2011..2139, 2324..2559, 2677..2839, 2912..2966, 3044..3371, 4151..4244, 4298..4435, 4456..4755		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-

Start	7855	End	8223
Name	OJ000117_09.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	139	End	4411
GI	none	Score	171
Exons	139..306, 167..301, 432..608, 436..603, 520..627, 666..716, 779..931, 780..929, 1531..1725, 1539..1724, 2009..2131, 2010..2141, 2014..2142, 2014..2166, 2324..2521, 2324..2560, 2328..2561, 2678..2839, 2679..2783, 2680..2835, 4295..4369, 4295..4411		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o3.ts	Method	TBLASTX:Soybean
Start	139	End	306
GI	none	Score	79
Exons	139..306, 159..293, 167..301		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o2.ts	Method	TBLASTX:Soybean
Start	444	End	2166
GI	none	Score	218
Exons	444..608, 445..603, 785..931, 789..929, 1539..1724, 1539..1724, 1543..1725, 1550..1744, 2009..2143, 2011..2142, 2011..2166		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	4295	End	4680
GI	none	Score	146
Exons	4295..4435, 4549..4680		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	4412	End	4951
GI	none	Score	174
Exons	4412..4435, 4549..4770, 4613..4771, 4888..4950, 4895..4951		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	4564	End	4965
GI	none	Score	118
Exons	4564..4770, 4664..4771, 4888..4965, 4892..4951		

Seq. No.	38606	Seq. ID	OJ000117_09.0222.C15
Gene No.	79417	Strand	-
Start	7855	End	8223
Name	OJ000117_09.0222.C15.o3.gs	Method	GENSCAN
Start	7855	End	8223
GI	none	Score	.73

Exons	7855..8223		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79418	Strand	+
Start	1106	End	6600
Name	OJ000117_09.0222.C17.o1.gs	Method	GENSCAN
Start	1106	End	6600
GI	none	Score	.85
Exons	1106..1339, 1985..2167, 2406..2469, 2555..2733, 3305..3445, 3618..3902, 4338..4460, 4599..4796, 4944..5179, 5317..5494, 5588..5893, 5994..6272, 6538..6600		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79418	Strand	+
Start	1106	End	6600
Name	OJ000117_09.0222.C17.o1.gp	Method	AAT/GAP
Start	5815	End	6206
GI	none	Score	495
Exons	5815..5893, 5994..6206		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o2.ts	Method	TBLASTX:Soybean
Start	3690	End	4439
GI	none	Score	261
Exons	3690..3875, 3713..3874, 4334..4405, 4338..4439		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o2.tc	Method	TBLASTX:Cress
Start	5420	End	6296
GI	none	Score	79
Exons	5420..5494, 5582..5707, 5647..5703, 5705..5776, 5994..6026, 6036..6296		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	5600	End	6272
GI	none	Score	221
Exons	5600..5893, 5650..5853, 5988..6038, 5993..6025, 6041..6271, 6042..6272		
Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o2.gp	Method	AAT/GAP
Start	6828	End	9345
GI	3695_1.R1084	Score	1644
Exons	6828..7164, 7287..7365, 7829..7871, 8530..8745, 8838..8930, 9035..9098, 9258..9345		
GI Descrip.	'2244910/emb|CAB10332.1| 5.0e-28 (Z97339) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o3.ts	Method	TBLASTX:Soybean
Start	7069	End	7873
GI	none	Score	99
Exons	7069..7167, 7082..7165, 7284..7364, 7285..7383, 7285..7338, 7285..7368, 7287..7385, 7287..7337, 7805..7873, 7828..7872		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	7072	End	7385
GI	none	Score	102
Exons	7072..7167, 7073..7165, 7285..7383, 7287..7385		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o2.gs	Method	GENSCAN
Start	7072	End	9271
GI	none	Score	72
Exons	7072..7164, 7287..7365, 7829..7871, 8530..8699, 9258..9271		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o1.np	Method	AAT/NAP
Start	7075	End	9345
GI	4966372	Score	210
Exons	7075..7164, 7287..7365, 7829..7877, 8539..8862, 9225..9345		
GI Descrip.	(AC006341) ESTs gb|N38586 and gb|N38613 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o2.tm	Method	TBLASTX:Maize
Start	7078	End	7385
GI	none	Score	93
Exons	7078..7167, 7079..7171, 7287..7385, 7297..7383		

Seq. No.	38607	Seq. ID	OJ000117_09.0222.C17
Gene No.	79419	Strand	-
Start	6828	End	9345
Name	OJ000117_09.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	7837	End	8750
GI	none	Score	227
Exons	7837..7872, 8548..8739, 8564..8740, 8571..8738, 8571..8750		

Seq. No.	38608	Seq. ID	OJ000117_09.0222.C18
Gene No.	79420	Strand	-
Start	1404	End	1808
Name	OJ000117_09.0222.C18.o1.gp	Method	AAT/GAP
Start	1404	End	1808
GI	none	Score	796

Exons	1404..1808		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	5123
GI	3776567	Score	1800
Exons	1..24, 1590..1717, 1808..1945, 1991..2663, 2744..2989, 3076..3510, 3611..4072, 4910..5123		
GI Descrip.	(AC005388) Strong similarity to F21B7.33 gi|2809264 from A. thaliana BAC gb|AC002560. EST gb|N65119 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o4.tm	Method	TBLASTX:Maize
Start	12	End	169
GI	none	Score	166
Exons	12..155, 14..169, 15..167		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o1.gp	Method	AAT/GAP
Start	74	End	646
GI	none	Score	942
Exons	74..456, 541..646		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o1.gs	Method	GENSCAN
Start	128	End	5083
GI	none	Score	.82
Exons	128..456, 541..650, 1564..1736, 1896..2663, 2744..2989, 3076..3510, 3611..4072, 4910..4930, 4976..5083		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o3.tm	Method	TBLASTX:Maize
Start	196	End	2130
GI	none	Score	72
Exons	196..234, 331..396, 524..598, 535..618, 1548..1628, 1556..1627, 1561..1710, 1675..1737, 1848..1967, 1855..2040, 1860..1916, 1995..2129, 1995..2129, 1996..2130		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o3.tc	Method	TBLASTX:Cress
Start	1848	End	2339
GI	none	Score	57
Exons	1848..1964, 1855..1941, 1986..2114, 2056..2115, 2202..2276, 2210..2290, 2304..2339		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	1860	End	2396
GI	none	Score	65
Exons	1860..1913, 1861..1911, 1980..2156, 2056..2157, 2202..2396, 2204..2386, 2302..2391		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	2202	End	2646
GI	none	Score	222
Exons	2202..2231, 2219..2554, 2220..2477, 2231..2554, 2232..2555, 2233..2589, 2556..2645, 2557..2646		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o2.tc	Method	TBLASTX:Cress
Start	2349	End	2866
GI	none	Score	77
Exons	2349..2513, 2547..2663, 2548..2658, 2741..2866		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o3.ts	Method	TBLASTX:Soybean
Start	2460	End	2777
GI	none	Score	63
Exons	2460..2663, 2511..2645, 2518..2676, 2734..2775, 2741..2776, 2742..2777		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o4.ts	Method	TBLASTX:Soybean
Start	2868	End	3274
GI	none	Score	113
Exons	2868..2990, 2870..2989, 3164..3244, 3181..3243, 3250..3273, 3251..3274		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	3162	End	3655
GI	none	Score	87
Exons	3162..3215, 3164..3220, 3181..3219, 3220..3513, 3221..3505, 3227..3529, 3608..3655, 3611..3655		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123

Name	OJ000117_09.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	3266	End	3736
GI	none	Score	80
Exons	3266..3322, 3326..3448, 3334..3450, 3376..3450, 3451..3513, 3455..3508, 3608..3736, 3612..3734		

Seq. No.	38609	Seq. ID	OJ000117_09.0222.C19
Gene No.	79421	Strand	-
Start	1	End	5123
Name	OJ000117_09.0222.C19.o2.ts	Method	TBLASTX:Soybean
Start	3323	End	5050
GI	none	Score	80
Exons	3323..3430, 3337..3429, 3451..3513, 3608..3871, 3830..4081, 3897..4022, 4044..4100, 4952..5050		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79422	Strand	+
Start	5305	End	6922
Name	OJ000117_09.0222.C20.o3.gs	Method	GENSCAN
Start	5305	End	6922
GI	none	Score	.67
Exons	5305..5363, 5444..5627, 6290..6362, 6612..6922		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79423	Strand	+
Start	9605	End	11913
Name	OJ000117_09.0222.C20.o4.gs	Method	GENSCAN
Start	9605	End	11910
GI	none	Score	.78
Exons	9605..10117, 10726..10970, 11049..11406, 11494..11910		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79423	Strand	+
Start	9605	End	11913
Name	OJ000117_09.0222.C20.o1.np	Method	AAT/NAP
Start	9629	End	11913
GI	6646752	Score	1033
Exons	9629..10117, 10726..10970, 11049..11406, 11494..11913		
GI Descrip.	(AC013258) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79423	Strand	+
Start	9605	End	11913
Name	OJ000117_09.0222.C20.o1.gp	Method	AAT/GAP
Start	9945	End	11149
GI	286952	Score	896
Exons	9945..10117, 10726..10970, 11049..11149		
GI Descrip.	2760837/gb|AAB95305.1| 2.0e-25 (AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79424	Strand	-
Start	55	End	276
Name	OJ000117_09.0222.C20.o1.gs	Method	GENSCAN
Start	55	End	276
GI	none	Score	.74
Exons	55..276		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79425	Strand	-
Start	2677	End	3398
Name	OJ000117_09.0222.C20.o2.gs	Method	GENSCAN
Start	2677	End	3398
GI	none	Score	.5
Exons	2677..2758, 2984..3071, 3215..3398		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79426	Strand	-
Start	11816	End	12184
Name	OJ000117_09.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	9845	End	11910
GI	none	Score	82
Exons	9845..9967, 9881..9988, 10010..10108, 10803..10964, 10807..10968, 11173..11412, 11247..11411, 11487..11696, 11494..11703, 11704..11844, 11708..11845, 11709..11846, 11712..11885, 11713..11910		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79426	Strand	-
Start	11816	End	12184
Name	OJ000117_09.0222.C20.o2.ts	Method	TBLASTX:Soybean
Start	9878	End	11371
GI	none	Score	74
Exons	9878..9964, 10022..10108, 10807..10971, 11047..11124, 11188..11370, 11209..11361, 11246..11371		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79426	Strand	-
Start	11816	End	12184
Name	OJ000117_09.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	11487	End	11907
GI	none	Score	222
Exons	11487..11696, 11494..11697, 11716..11907, 11721..11888, 11722..11907		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79426	Strand	-
Start	11816	End	12184
Name	OJ000117_09.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	11544	End	11916
GI	none	Score	126
Exons	11544..11696, 11545..11703, 11716..11916, 11721..11885		

Seq. No.	38610	Seq. ID	OJ000117_09.0222.C20
Gene No.	79426	Strand	-
Start	11816	End	12184
Name	OJ000117_09.0222.C20.o2.gp	Method	AAT/GAP
Start	11816	End	12184
GI	none	Score	444
Exons	11816..12184		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79427	Strand	+
Start	2215	End	5277

Name	OJ000117_09.0222.C22.o1.gs	Method	GENSCAN
Start	2215	End	5277
GI	none	Score	.6
Exons	2215..2378, 2394..2469, 2602..2696, 2744..2913, 3215..3299, 3881..4017, 4489..4624, 4745..4931, 5117..5277		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79427	Strand	+
Start	2215	End	5277
Name	OJ000117_09.0222.C22.o1.np	Method	AAT/NAP
Start	2519	End	4600
GI	5922620	Score	518
Exons	2519..2625, 2673..2849, 2960..3029, 4451..4600		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79428	Strand	+
Start	6840	End	10351
Name	OJ000117_09.0222.C22.o2.np	Method	AAT/NAP
Start	6840	End	10137
GI	6646752	Score	1009
Exons	6840..6894, 7931..8370, 8922..9166, 9259..9616, 9719..10137		
GI Descrip.	(AC013258) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79428	Strand	+
Start	6840	End	10351
Name	OJ000117_09.0222.C22.o2.gs	Method	GENSCAN
Start	7861	End	10351
GI	none	Score	.8
Exons	7861..8370, 8922..9166, 9259..9616, 9719..10351		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79429	Strand	+
Start	12056	End	14286
Name	OJ000117_09.0222.C22.o3.gs	Method	GENSCAN
Start	12056	End	14286
GI	none	Score	.63
Exons	12056..12508, 12811..12971, 13276..13528, 13662..13752, 13974..14083, 14257..14286		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79430	Strand	+
Start	14957	End	18501
Name	OJ000117_09.0222.C22.o2.gp	Method	AAT/GAP
Start	14957	End	15540
GI	198_1.R1084	Score	882
Exons	14957..15153, 15270..15540		
GI Descrip.	'2443402/dbj|BAA22419| 0.0e+00 (D87745) orthophosphate dikinase [Oryza sativa] >gi_2443405_dbj_BAA22420_ (D87952) orthophosphate dikinase [Oryza sativa]'		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22

Gene No.	79430	Strand	+
Start	14957	End	18501
Name	OJ000117_09.0222.C22.o4.np	Method	AAT/NAP
Start	15316	End	18501
GI	2443402	Score	356
Exons	15316..15540, 18465..18501		
GI Descrip.	(D87745) orthophosphate dikinase [Oryza sativa] gi|2443405|dbj|BAA22420| (D87952) orthophosphate dikinase [Oryza sativa]		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79430	Strand	+
Start	14957	End	18501
Name	OJ000117_09.0222.C22.o5.gs	Method	GENSCAN
Start	16730	End	17904
GI	none	Score	.67
Exons	16730..16904, 17851..17904		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79431	Strand	-
Start	12452	End	12744
Name	OJ000117_09.0222.C22.o1.tm	Method	TBLASTX:Maize
Start	8086	End	10134
GI	none	Score	93
Exons	8086..8241, 8098..8241, 8243..8365, 8263..8370, 8999..9160, 9003..9164, 9254..9334, 9383..9622, 9445..9621, 9718..9765, 9719..9928, 9817..9921, 9937..10044, 9938..10039, 9962..10054, 10057..10134		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79431	Strand	-
Start	12452	End	12744
Name	OJ000117_09.0222.C22.o1.ts	Method	TBLASTX:Soybean
Start	9475	End	10131
GI	none	Score	219
Exons	9475..9573, 9584..9619, 9718..9921, 9719..9922, 9941..10054, 9946..10053, 9947..10054, 10057..10131, 10057..10131		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79431	Strand	-
Start	12452	End	12744
Name	OJ000117_09.0222.C22.o1.tc	Method	TBLASTX:Cress
Start	9770	End	10140
GI	none	Score	127
Exons	9770..9928, 9782..9904, 9941..10054, 9946..10026, 10057..10140		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79431	Strand	-
Start	12452	End	12744
Name	OJ000117_09.0222.C22.o2.tm	Method	TBLASTX:Maize
Start	10801	End	11271
GI	none	Score	314
Exons	10801..11001, 10803..11018, 10807..11082, 11107..11271		

Seq. No.	38611	Seq. ID	OJ000117_09.0222.C22
Gene No.	79431	Strand	-
Start	12452	End	12744

Name	OJ000117_09.0222.C22.o1.gp	Method	AAT/GAP
Start	12452	End	12744
GI	none	Score	546
Exons	12452..12744		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79432	Strand	+
Start	1	End	2001
Name	OJ000207_07.0224.C2.o1.np	Method	AAT/NAP
Start	1	End	1093
GI	4539344	Score	945
Exons	1..293, 418..669, 761..1093		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79432	Strand	+
Start	1	End	2001
Name	OJ000207_07.0224.C2.o1.gs	Method	GENSCAN
Start	418	End	2001
GI	none	Score	.47
Exons	418..669, 761..1052, 1961..2001		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79433	Strand	+
Start	2823	End	6744
Name	OJ000207_07.0224.C2.o3.gp	Method	AAT/GAP
Start	2823	End	6430
GI	457_1.R1084	Score	1335
Exons	2823..2949, 3052..3114, 5330..5537, 5653..5722, 6157..6430		
GI Descrip.	'283000/pir||JX0243 0.0e+00 1,4-alpha-glucan branching enzyme (EC 2.4.1.18) I precursor - rice >gi_218151_dbj_BAA01855_ (D11082) branching enzyme-I precursor [Oryza sativa] >gi_4704818_gb_AAD28284.1_AF136268_1 (AF136268) starch-branching enzyme I [Oryza sativa subsp. japonica]'		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79433	Strand	+
Start	2823	End	6744
Name	OJ000207_07.0224.C2.o2.np	Method	AAT/NAP
Start	2866	End	6744
GI	421991	Score	1120
Exons	2866..2949, 3052..3114, 5330..5537, 5653..5722, 6157..6744		
GI Descrip.	1,4-alpha-glucan branching enzyme (EC 2.4.1.18) sbe1 precursor - rice gi|287404|dbj|BAA01616.1| (D10838) 1,4-alpha-glucan branching enzyme [Oryza sativa]		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79434	Strand	-
Start	895	End	1431
Name	OJ000207_07.0224.C2.o1.gp	Method	AAT/GAP
Start	895	End	1431
GI	465_1.R1084	Score	1050
Exons	895..1431		
GI Descrip.	'1705733/sp|P53682|CDP1_ORYSA 0.0e+00 CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 1 (CDPK 1) >gi_542156_pir__JC1515 calcium-dependent protein kinase (EC 2.7.1.-) - rice >gi_435466_dbj_BAA02698_ (D13436) calcium-dependent protein		

kinase [Oryza sativa]'

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79435	Strand	-
Start	2012	End	2271
Name	OJ000207_07.0224.C2.o2.gp	Method	AAT/GAP
Start	2012	End	2271
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	2012..2271		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79436	Strand	-
Start	2734	End	4956
Name	OJ000207_07.0224.C2.o1.ts	Method	TBLASTX:Soybean
Start	31	End	287
GI	none	Score	149
Exons	31..117, 33..161, 34..141, 125..250, 126..254, 252..287		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79436	Strand	-
Start	2734	End	4956
Name	OJ000207_07.0224.C2.o1.tm	Method	TBLASTX:Maize
Start	88	End	1096
GI	none	Score	61
Exons	88..141, 88..141, 123..293, 125..295, 146..295, 400..525, 410..520, 535..672, 550..696, 911..952, 1055..1096		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79436	Strand	-
Start	2734	End	4956
Name	OJ000207_07.0224.C2.o2.gs	Method	GENSCAN
Start	2734	End	4956
GI	none	Score	.67
Exons	2734..3122, 3368..3722, 3940..4122, 4900..4956		

Seq. No.	38612	Seq. ID	OJ000207_07.0224.C2
Gene No.	79437	Strand	
Start	5326	End	6205
Name	OJ000207_07.0224.C2.o2.tm	Method	TBLASTX:Maize
Start	5326	End	6205
GI	none	Score	236
Exons	5326..5418, 5327..5539, 5327..5584, 5627..5722, 5628..5723, 5643..5726, 5653..5727, 6145..6201, 6149..6205, 6161..6199		

Seq. No.	38613	Seq. ID	OJ000207_07.0224.C3
Gene No.	79438	Strand	-
Start	317	End	670
Name	OJ000207_07.0224.C3.o1.np	Method	AAT/NAP
Start	317	End	670
GI	6729524	Score	116
Exons	317..429, 527..670		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	38613	Seq. ID	OJ000207_07.0224.C3
Gene No.	79438	Strand	-

Start	317	End	670
Name	OJ000207_07.0224.C3.o1.gp	Method	AAT/GAP
Start	330	End	429
GI	969014	Score	152
Exons	330..429		

Seq. No.	38613	Seq. ID	OJ000207_07.0224.C3
Gene No.	79438	Strand	-
Start	317	End	670
Name	OJ000207_07.0224.C3.o1.tm	Method	TBLASTX:Maize
Start	330	End	603
GI	none	Score	149
Exons	330..428, 334..429, 532..567,	532..603	

Seq. No.	38614	Seq. ID	OJ000207_07.0224.C5
Gene No.	79439	Strand	+
Start	1	End	500
Name	OJ000207_07.0224.C5.o1.np	Method	AAT/NAP
Start	1	End	222
GI	6174959	Score	119
Exons	1..23, 133..222		
GI Descrip.	60S RIBOSOMAL PROTEIN L9 gi|2058273|dbj|BAA19798| (D83527) YK426 [Oryza sativa]		

Seq. No.	38614	Seq. ID	OJ000207_07.0224.C5
Gene No.	79439	Strand	+
Start	1	End	500
Name	OJ000207_07.0224.C5.o1.gp	Method	AAT/GAP
Start	112	End	500
GI	518_3.R1084	Score	695
Exons	112..500		
GI Descrip.	'2058273/dbj|BAA19798| 1.0e-19 (D83527) YK426 [Oryza sativa]'		

Seq. No.	38614	Seq. ID	OJ000207_07.0224.C5
Gene No.	79439	Strand	+
Start	1	End	500
Name	OJ000207_07.0224.C5.o1.gs	Method	GENSCAN
Start	139	End	225
GI	none	Score	.78
Exons	139..225		

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.gp	Method	AAT/GAP
Start	157	End	392
GI	1632104	Score	404
Exons	157..392		

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.tm	Method	TBLASTX:Maize
Start	208	End	513
GI	none	Score	63
Exons	208..279, 215..274, 226..513,	227..304, 302..352, 347..511	

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.gs	Method	GENSCAN
Start	230	End	670
GI	none	Score	.97
Exons	230..670		

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.ts	Method	TBLASTX:Soybean
Start	260	End	673
GI	none	Score	387
Exons	260..673, 361..645		

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.tc	Method	TBLASTX:Cress
Start	293	End	676
GI	none	Score	79
Exons	293..427, 436..651, 437..673, 611..676		

Seq. No.	38615	Seq. ID	OJ000207_07.0224.C6
Gene No.	79440	Strand	+
Start	157	End	695
Name	OJ000207_07.0224.C6.o1.np	Method	AAT/NAP
Start	326	End	695
GI	2499524	Score	138
Exons	326..695		
GI Descrip.	RENAL SODIUM/DICARBOXYLATE COTRANSPORTER (NA(+)/DICARBOXYLATE COTRANSPORTER) gi|2137022|pir||I46528 sodium/dicarboxylate cotransporter - rabbit (fragment) gi|758384 (U12186) sodium/dicarboxylate cotransporter [Oryctolagus cuniculus]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79441	Strand	+
Start	14	End	2251
Name	OJ000207_07.0224.C7.o1.gs	Method	GENSCAN
Start	14	End	2251
GI	none	Score	.98
Exons	14..23, 345..377, 1847..1884, 2144..2251		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79442	Strand	+
Start	7202	End	9987
Name	OJ000207_07.0224.C7.o1.np	Method	AAT/NAP
Start	7148	End	9978
GI	4850384	Score	560
Exons	7148..7291, 7609..7713, 7819..7899, 8078..8193, 8276..8377, 8491..8626, 8740..8937, 9039..9092, 9194..9268, 9842..9978		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79442	Strand	+
Start	7202	End	9987

Name	OJ000207_07.0224.C7.o3.gs	Method	GENSCAN
Start	7202	End	9987
GI	none	Score	.87
Exons	7202..7291, 7405..7533, 7609..7713, 7819..7899, 8078..8193, 8276..8377, 8491..8610, 9154..9268, 9380..9412, 9880..9987		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79443	Strand	+
Start	14693	End	15194
Name	OJ000207_07.0224.C7.o2.gp	Method	AAT/GAP
Start	14693	End	15194
GI	38782_1.R1084	Score	809
Exons	14693..15194		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79444	Strand	+
Start	16031	End	21857
Name	OJ000207_07.0224.C7.o5.np	Method	AAT/NAP
Start	15817	End	21857
GI	6006374	Score	1514
Exons	15817..15882, 18216..19199, 21838..21857		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79444	Strand	+
Start	16031	End	21857
Name	OJ000207_07.0224.C7.o5.gs	Method	GENSCAN
Start	16031	End	17653
GI	none	Score	1
Exons	16031..17653		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79444	Strand	+
Start	16031	End	21857
Name	OJ000207_07.0224.C7.o4.np	Method	AAT/NAP
Start	16213	End	17656
GI	4468808	Score	875
Exons	16213..17656		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79445	Strand	+
Start	22359	End	24411
Name	OJ000207_07.0224.C7.o6.gs	Method	GENSCAN
Start	22359	End	24194
GI	none	Score	.81
Exons	22359..22439, 22671..22700, 22785..22837, 22957..23070, 23150..23207, 23509..23589, 23677..23787, 24030..24194		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79445	Strand	+
Start	22359	End	24411
Name	OJ000207_07.0224.C7.o4.gp	Method	AAT/GAP
Start	22553	End	24411

GI	894_1.R1084	Score	1645
Exons	22553..22700, 22785..22837, 22957..23070, 23150..23207, 23365..23409, 23509..23589, 23677..23787, 24086..24411		
GI Descrip.	'3885888 1.0e-28 (AF093632) high mobility group protein [Oryza sativa]'		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79445	Strand	+
Start	22359	End	24411
Name	OJ000207_07.0224.C7.o6.np	Method	AAT/NAP
Start	22794	End	23787
GI	3885888	Score	624
Exons	22794..22837, 22957..23070, 23150..23207, 23365..23409, 23509..23589, 23677..23787		
GI Descrip.	(AF093632) high mobility group protein [Oryza sativa]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79446	Strand	-
Start	1314	End	1369
Name	OJ000207_07.0224.C7.o1.gp	Method	AAT/GAP
Start	1314	End	1369
GI	uC-osroM202041f04b1	Score	64
Exons	1314..1369		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79447	Strand	-
Start	4084	End	5477
Name	OJ000207_07.0224.C7.o2.gs	Method	GENSCAN
Start	4084	End	5477
GI	none	Score	.78
Exons	4084..4130, 4324..4489, 4587..4773, 5383..5477		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79448	Strand	-
Start	12534	End	13291
Name	OJ000207_07.0224.C7.o2.np	Method	AAT/NAP
Start	11608	End	13291
GI	6907086	Score	1027
Exons	11608..11980, 12198..12445, 12505..13291		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79448	Strand	-
Start	12534	End	13291
Name	OJ000207_07.0224.C7.o4.gs	Method	GENSCAN
Start	12534	End	13037
GI	none	Score	1
Exons	12534..13037		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79449	Strand	-
Start	13999	End	17307
Name	OJ000207_07.0224.C7.o3.np	Method	AAT/NAP
Start	13999	End	17307
GI	4680186	Score	168

Exons	13999..14417, 14888..14946, 17130..17307		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o1.ts	Method	TBLASTX:Soybean
Start	174	End	9259
GI	none	Score	72
Exons	174..239, 7621..7713, 7623..7724, 8075..8194, 8075..8194, 8077..8205, 8128..8196, 8275..8382, 8275..8379, 8276..8380, 8277..8384, 8491..8556, 8492..8557, 8743..8778, 8871..8936, 8872..8937, 9033..9092, 9044..9091, 9203..9259		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o2.tm	Method	TBLASTX:Maize
Start	174	End	9273
GI	none	Score	75
Exons	174..254, 7560..7715, 7621..7713, 7834..7899, 8075..8194, 8077..8232, 8276..8380, 8277..8384, 8489..8557, 8491..8556, 8743..8778, 8871..8936, 8872..8937, 9033..9092, 9044..9091, 9202..9273, 9203..9259		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o2.tc	Method	TBLASTX:Cress
Start	7994	End	8527
GI	none	Score	133
Exons	7994..8194, 8090..8194, 8098..8196, 8274..8366, 8276..8380, 8277..8384, 8489..8527		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o1.tm	Method	TBLASTX:Maize
Start	16817	End	17617
GI	none	Score	285
Exons	16817..17113, 16832..16921, 17003..17104, 17171..17374, 17173..17352, 17398..17568, 17399..17617, 17402..17581		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o1.tc	Method	TBLASTX:Cress
Start	16880	End	17446
GI	none	Score	236
Exons	16880..17167, 16987..17100, 17180..17275, 17212..17259, 17342..17368, 17399..17446		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o2.ts	Method	TBLASTX:Soybean
Start	17180	End	17527

GI	none	Score	175
Exons	17180..17374, 17392..17526, 17393..17527		

Seq. No.	38616	Seq. ID	OJ000207_07.0224.C7
Gene No.	79450	Strand	-
Start	19143	End	19670
Name	OJ000207_07.0224.C7.o3.gp	Method	AAT/GAP
Start	19143	End	19670
GI	21466_1.R1084	Score	964
Exons	19143..19670		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	38617	Seq. ID	OJ000207_07.0224.C9
Gene No.	79451	Strand	-
Start	1	End	52
Name	OJ000207_07.0224.C9.o1.gp	Method	AAT/GAP
Start	1	End	52
GI	16167_1.R1084	Score	104
Exons	1..52		
GI Descrip.	'4322346/gb|AAD16019| 2.0e-27 (AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] >gi_4837725_gb_AAD30657.1_AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]'		

Seq. No.	38618	Seq. ID	OJ000207_07.0224.C10
Gene No.	79452	Strand	-
Start	239	End	426
Name	OJ000207_07.0224.C10.o1.gs	Method	GENSCAN
Start	239	End	426
GI	none	Score	.86
Exons	239..285, 302..426		

Seq. No.	38619	Seq. ID	OJ000207_07.0224.C12
Gene No.	79453	Strand	+
Start	133	End	302
Name	OJ000207_07.0224.C12.o1.gs	Method	GENSCAN
Start	133	End	302
GI	none	Score	.72
Exons	133..302		

Seq. No.	38620	Seq. ID	OJ000207_07.0224.C13
Gene No.	79454	Strand	-
Start	225	End	374
Name	OJ000207_07.0224.C13.o1.np	Method	AAT/NAP
Start	225	End	374
GI	4539344	Score	112
Exons	225..374		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	38620	Seq. ID	OJ000207_07.0224.C13
Gene No.	79455	Strand	-
Start	5421	End	5565
Name	OJ000207_07.0224.C13.o1.gp	Method	AAT/GAP
Start	5421	End	5565
GI	245_1.R1084	Score	264
Exons	5421..5565		

GI Descrip.	'3913236/sp|Q40671|CG2B_ORYSA 0.0e+00 G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) >gi_1694892_emb_CAA57556_ (X82036) cyclin [Oryza sativa]'		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.gp	Method	AAT/GAP
Start	1	End	2201
GI	245_1.R1084	Score	2114
Exons	1..237, 333..511, 609..707, 791..1012, 1088..1177, 1259..1396, 1492..1620, 2084..2136, 2178..2201		
GI Descrip.	'3913236/sp|Q40671|CG2B_ORYSA 0.0e+00 G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) >gi_1694892_emb_CAA57556_ (X82036) cyclin [Oryza sativa]'		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.gs	Method	GENSCAN
Start	90	End	1620
GI	none	Score	78
Exons	90..237, 387..526, 609..758, 791..1012, 1259..1396, 1492..1620		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.np	Method	AAT/NAP
Start	93	End	2201
GI	3913236	Score	1541
Exons	93..237, 333..511, 609..707, 791..1012, 1088..1177, 1259..1396, 1492..1620, 2084..2201		
GI Descrip.	G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) gi|1694892|emb|CAA57556| (X82036) cyclin [Oryza sativa]		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o2.tm	Method	TBLASTX:Maize
Start	102	End	239
GI	none	Score	131
Exons	102..239, 109..237		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.tc	Method	TBLASTX:Cress
Start	108	End	1327
GI	none	Score	88
Exons	108..236, 109..240, 332..517, 333..521, 609..719, 610..777, 610..720, 767..1015, 776..1018, 777..1031, 780..1031, 1067..1171, 1089..1172, 1097..1180, 1259..1327		
Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.ts	Method	TBLASTX:Soybean

Start	108	End	1327
GI	none	Score	121
Exons	108..236, 332..517, 606..719, 750..1025, 776..1018, 1067..1156, 1088..1156, 1259..1327		

Seq. No.	38621	Seq. ID	OJ000207_07.0224.C14
Gene No.	79456	Strand	-
Start	1	End	2201
Name	OJ000207_07.0224.C14.o1.tm	Method	TBLASTX:Maize
Start	368	End	1171
GI	none	Score	69
Exons	368..517, 380..517, 441..521, 606..719, 609..698, 613..708, 767..1018, 774..1031, 776..1018, 1067..1171, 1088..1159		

Seq. No.	38622	Seq. ID	OJ000207_07.0224.C16
Gene No.	79457	Strand	-
Start	440	End	540
Name	OJ000207_07.0224.C16.o1.gp	Method	AAT/GAP
Start	440	End	540
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	440..540		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORYS 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38622	Seq. ID	OJ000207_07.0224.C16
Gene No.	79458	Strand	-
Start	609	End	701
Name	OJ000207_07.0224.C16.o1.gs	Method	GENSCAN
Start	609	End	701
GI	none	Score	.8
Exons	609..701		

Seq. No.	38623	Seq. ID	OJ000207_07.0224.C17
Gene No.	79459	Strand	-
Start	20	End	154
Name	OJ000207_07.0224.C17.o1.gs	Method	GENSCAN
Start	20	End	154
GI	none	Score	.44
Exons	20..154		

Seq. No.	38624	Seq. ID	OJ000207_07.0224.C19
Gene No.	79460	Strand	+
Start	1	End	1120
Name	OJ000207_07.0224.C19.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	4850384	Score	350
Exons	1..89, 331..414, 495..610, 725..1004, 1040..1120		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	38624	Seq. ID	OJ000207_07.0224.C19
Gene No.	79460	Strand	+
Start	1	End	1120
Name	OJ000207_07.0224.C19.o1.gs	Method	GENSCAN
Start	319	End	955
GI	none	Score	.79
Exons	319..414, 495..610, 725..955		

Seq. No.	38624	Seq. ID	OJ000207_07.0224.C19
Gene No.	79460	Strand	+
Start	1	End	1120
Name	OJ000207_07.0224.C19.o1.tm	Method	TBLASTX:Maize
Start	324	End	1019
GI	none	Score	77
Exons	324..431, 328..468, 492..611, 726..893, 956..1018, 957..1019	494..616, 494..613, 719..892,	

Seq. No.	38624	Seq. ID	OJ000207_07.0224.C19
Gene No.	79460	Strand	+
Start	1	End	1120
Name	OJ000207_07.0224.C19.o1.ts	Method	TBLASTX:Soybean
Start	328	End	1019
GI	none	Score	89
Exons	328..468, 328..417, 492..611, 725..892, 726..893, 745..900,	494..613, 517..612, 724..858, 956..1018, 957..1019, 957..1019	

Seq. No.	38624	Seq. ID	OJ000207_07.0224.C19
Gene No.	79460	Strand	+
Start	1	End	1120
Name	OJ000207_07.0224.C19.o1.tc	Method	TBLASTX:Cress
Start	495	End	863
GI	none	Score	128
Exons	495..611, 512..616, 693..830,	725..862, 726..863	

Seq. No.	38625	Seq. ID	OJ000207_07.0224.C20
Gene No.	79461	Strand	+
Start	351	End	550
Name	OJ000207_07.0224.C20.o1.gs	Method	GENSCAN
Start	351	End	550
GI	none	Score	.42
Exons	351..550		

Seq. No.	38626	Seq. ID	OJ000207_07.0224.C23
Gene No.	79462	Strand	+
Start	202	End	234
Name	OJ000207_07.0224.C23.o1.gs	Method	GENSCAN
Start	202	End	234
GI	none	Score	.45
Exons	202..234		

Seq. No.	38627	Seq. ID	OJ000207_07.0224.C26
Gene No.	79463	Strand	+
Start	395	End	616
Name	OJ000207_07.0224.C26.o1.np	Method	AAT/NAP
Start	395	End	616
GI	4432845	Score	59
Exons	395..616		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	38628	Seq. ID	OJ000207_07.0224.C27
Gene No.	79464	Strand	-
Start	137	End	2763
Name	OJ000207_07.0224.C27.o1.gs	Method	GENSCAN
Start	137	End	2763

GI	none	Score	.41
Exons	137..528, 668..2588, 2693..2763		

Seq. No.	38629	Seq. ID	OJ000207_07.0224.C28
Gene No.	79465	Strand	+
Start	168	End	300
Name	OJ000207_07.0224.C28.o1.gs	Method	GENSCAN
Start	168	End	300
GI	none	Score	.54
Exons	168..300		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.np	Method	AAT/NAP
Start	139	End	1769
GI	4539335	Score	1389
Exons	139..473, 601..1572, 1727..1769		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o2.tc	Method	TBLASTX:Cress
Start	139	End	408
GI	none	Score	202
Exons	139..408, 268..408		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.tm	Method	TBLASTX:Maize
Start	145	End	1768
GI	none	Score	244
Exons	145..465, 306..455, 598..654, 599..823, 620..823, 694..828, 905..1318, 916..1293, 1083..1337, 1225..1341, 1338..1568, 1338..1565, 1339..1572, 1348..1569, 1727..1768		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.ts	Method	TBLASTX:Soybean
Start	157	End	1768
GI	none	Score	164
Exons	157..384, 361..465, 611..823, 616..843, 905..1318, 916..1281, 1047..1334, 1338..1565, 1338..1565, 1339..1572, 1342..1569, 1727..1768		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.gs	Method	GENSCAN
Start	343	End	1572
GI	none	Score	.65
Exons	343..473, 601..1333, 1342..1572		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29

Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.tc	Method	TBLASTX:Cress
Start	598	End	1530
GI	none	Score	156
Exons	598..828, 599..823, 869..1180, 908..1189, 910..1185, 1220..1318, 1222..1293, 1338..1490, 1339..1524, 1357..1530		

Seq. No.	38630	Seq. ID	OJ000207_07.0224.C29
Gene No.	79466	Strand	+
Start	139	End	1769
Name	OJ000207_07.0224.C29.o1.tw	Method	TBLASTX:Wheat
Start	1217	End	1569
GI	none	Score	123
Exons	1217..1318, 1242..1340, 1250..1336, 1260..1340, 1338..1568, 1339..1569, 1387..1569		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.gp	Method	AAT/GAP
Start	1	End	1195
GI	376_1.R1084	Score	1626
Exons	1..565, 917..1195		
GI Descrip.	'3868754/dbj|BAA34204| 0.0e+00 (D64013) catalase [Oryza sativa]'		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	529
GI	none	Score	116
Exons	1..60, 37..294, 41..526, 42..524, 44..529		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.tc	Method	TBLASTX:Cress
Start	1	End	1208
GI	none	Score	50
Exons	1..60, 2..61, 41..568, 42..566, 44..577, 917..943, 928..1194, 932..1195, 942..1208		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1198
GI	none	Score	58
Exons	1..60, 2..61, 40..216, 41..568, 42..566, 262..567, 917..943, 928..1194, 938..1198		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	1202

GI	none	Score	51
Exons	1..60, 2..37, 39..566, 40..567, 41..568, 238..585, 917..943, 928..1194, 932..1159, 941..1195, 942..1202		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.np	Method	AAT/NAP
Start	1	End	1524
GI	1705629	Score	1441
Exons	1..565, 917..1194, 1409..1524		
GI Descrip.	CATALASE ISOZYME B (CAT-B) gi|516839|dbj|BAA05494| (D26484) catalase [Oryza sativa]		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o1.gs	Method	GENSCAN
Start	17	End	1426
GI	none	Score	.65
Exons	17..356, 917..1193, 1369..1426		

Seq. No.	38631	Seq. ID	OJ000207_07.0224.C30
Gene No.	79467	Strand	-
Start	1	End	1524
Name	OJ000207_07.0224.C30.o2.tw	Method	TBLASTX:Wheat
Start	1015	End	1195
GI	none	Score	114
Exons	1015..1194, 1025..1195		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79468	Strand	+
Start	309	End	8446
Name	OJ000207_07.0224.C31.o1.gs	Method	GENSCAN
Start	309	End	8446
GI	none	Score	.41
Exons	309..456, 922..974, 3697..3799, 4332..4431, 7607..7692, 7841..8446		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79469	Strand	-
Start	40	End	191
Name	OJ000207_07.0224.C31.o1.gp	Method	AAT/GAP
Start	40	End	191
GI	376_1.R1084	Score	267
Exons	40..191		
GI Descrip.	'3868754/dbj|BAA34204| 0.0e+00 (D64013) catalase [Oryza sativa]'		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79470	Strand	-
Start	11594	End	12940
Name	OJ000207_07.0224.C31.o2.gs	Method	GENSCAN
Start	11594	End	12940
GI	none	Score	.51
Exons	11594..11719, 12908..12940		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31

Gene No.	79471	Strand	-
Start	14959	End	16030
Name	OJ000207_07.0224.C31.o4.gs	Method	GENSCAN
Start	14959	End	16030
GI	none	Score	.58
Exons	14959..15084, 15989..16030		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o1.np	Method	AAT/NAP
Start	17684	End	20211
GI	6523054	Score	1073
Exons	17684..17789, 18300..19316, 19399..20211		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o5.gs	Method	GENSCAN
Start	18279	End	20256
GI	none	Score	.6
Exons	18279..19276, 19395..20256		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o1.tc	Method	TBLASTX:Cress
Start	18300	End	19007
GI	none	Score	89
Exons	18300..18884, 18534..18836, 18667..18915, 18720..19007, 18900..18989, 18901..18987		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o1.ts	Method	TBLASTX:Soybean
Start	18300	End	19473
GI	none	Score	233
Exons	18300..19115, 18667..19050, 18733..18942, 19167..19319, 19167..19319, 19183..19320, 19399..19473, 19403..19471		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o1.tm	Method	TBLASTX:Maize
Start	18615	End	19881
GI	none	Score	92
Exons	18615..19115, 18636..18869, 18667..19089, 18708..19022, 18709..18942, 19167..19319, 19183..19311, 19379..19471, 19399..19470, 19783..19881, 19790..19867		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o2.tc	Method	TBLASTX:Cress

Start	19164	End	19479
GI	none	Score	82
Exons	19164..19319, 19180..19320, 19399..19479		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o1.tw	Method	TBLASTX:Wheat
Start	19165	End	19468
GI	none	Score	92
Exons	19165..19317, 19170..19319, 19170..19319, 19399..19467, 19403..19468		

Seq. No.	38632	Seq. ID	OJ000207_07.0224.C31
Gene No.	79472	Strand	-
Start	17684	End	20256
Name	OJ000207_07.0224.C31.o2.tm	Method	TBLASTX:Maize
Start	19960	End	20232
GI	none	Score	38
Exons	19960..20055, 19961..19993, 20075..20170, 20107..20232		

Seq. No.	38633	Seq. ID	OJ000207_07.0224.C32
Gene No.	79473	Strand	+
Start	154	End	510
Name	OJ000207_07.0224.C32.o1.np	Method	AAT/NAP
Start	154	End	510
GI	6006374	Score	559
Exons	154..510		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	38634	Seq. ID	OJ000207_07.0224.C34
Gene No.	79474	Strand	+
Start	1	End	1191
Name	OJ000207_07.0224.C34.o1.np	Method	AAT/NAP
Start	1	End	1191
GI	4584345	Score	266
Exons	1..30, 571..706, 1112..1191		
GI Descrip.	(AC007127) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	38634	Seq. ID	OJ000207_07.0224.C34
Gene No.	79474	Strand	+
Start	1	End	1191
Name	OJ000207_07.0224.C34.o1.gs	Method	GENSCAN
Start	550	End	706
GI	none	Score	.7
Exons	550..706		

Seq. No.	38634	Seq. ID	OJ000207_07.0224.C34
Gene No.	79474	Strand	+
Start	1	End	1191
Name	OJ000207_07.0224.C34.o1.ts	Method	TBLASTX:Soybean
Start	568	End	711
GI	none	Score	209
Exons	568..705, 570..707, 574..711		

Seq. No.	38634	Seq. ID	OJ000207_07.0224.C34

Gene No.	79474	Strand	+
Start	1	End	1191
Name	OJ000207_07.0224.C34.o1.tc	Method	TBLASTX:Cress
Start	571	End	1191
GI	none	Score	184
Exons	571..705, 573..698, 1126..1191		

Seq. No.	38634	Seq. ID	OJ000207_07.0224.C34
Gene No.	79474	Strand	+
Start	1	End	1191
Name	OJ000207_07.0224.C34.o1.tm	Method	TBLASTX:Maize
Start	571	End	1191
GI	none	Score	180
Exons	571..717, 571..702, 573..713, 1114..1191		

Seq. No.	38635	Seq. ID	OJ000207_07.0224.C38
Gene No.	79475	Strand	-
Start	103	End	467
Name	OJ000207_07.0224.C38.o1.gs	Method	GENSCAN
Start	103	End	467
GI	none	Score	.5
Exons	103..198, 333..467		

Seq. No.	38636	Seq. ID	OJ000207_07.0224.C39
Gene No.	79476	Strand	-
Start	1	End	447
Name	OJ000207_07.0224.C39.o1.gp	Method	AAT/GAP
Start	1	End	447
GI	245_1.R1084	Score	561
Exons	1..184, 268..447		
GI Descrip.	'3913236/sp|Q40671|CG2B_ORYSA 0.0e+00 G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) >gi_1694892_emb_CAA57556_ (X82036) cyclin [Oryza sativa]'		

Seq. No.	38636	Seq. ID	OJ000207_07.0224.C39
Gene No.	79476	Strand	-
Start	1	End	447
Name	OJ000207_07.0224.C39.o1.np	Method	AAT/NAP
Start	1	End	301
GI	3913236	Score	202
Exons	1..184, 268..301		
GI Descrip.	G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) gi|1694892|emb|CAA57556| (X82036) cyclin [Oryza sativa]		

Seq. No.	38636	Seq. ID	OJ000207_07.0224.C39
Gene No.	79477	Strand	-
Start	1012	End	1326
Name	OJ000207_07.0224.C39.o1.gs	Method	GENSCAN
Start	1012	End	1326
GI	none	Score	.78
Exons	1012..1043, 1270..1326		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79478	Strand	+
Start	302	End	416
Name	OJ000207_06.0225.C1.o1.gp	Method	AAT/GAP
Start	302	End	416

GI	427040	Score	172
Exons	302..416		
GI Descrip.	4056428 2.0e-36 (AC005322) Similar to gb_U43629 integral membrane protein from Beta vulgaris and a member of sugar transporter family PF_00083. [Arabidopsis thaliana]		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79479	Strand	-
Start	563	End	1026
Name	OJ000207_06.0225.C1.o1.gs	Method	GENSCAN
Start	563	End	1026
GI	none	Score	.76
Exons	563..1026		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79480	Strand	-
Start	2376	End	7030
Name	OJ000207_06.0225.C1.o2.gs	Method	GENSCAN
Start	2376	End	7030
GI	none	Score	.78
Exons	2376..2802, 3035..3199, 3366..3447, 4994..5827, 6586..7030		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79480	Strand	-
Start	2376	End	7030
Name	OJ000207_06.0225.C1.o2.gp	Method	AAT/GAP
Start	2663	End	3499
GI	none	Score	935
Exons	2663..2802, 2890..2921, 3035..3199, 3330..3499		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79480	Strand	-
Start	2376	End	7030
Name	OJ000207_06.0225.C1.o1.np	Method	AAT/NAP
Start	3034	End	5669
GI	6552732	Score	793
Exons	3034..3199, 3330..3447, 4994..5669		
GI Descrip.	(AC013482) T26F17.10 [Arabidopsis thaliana]		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79480	Strand	-
Start	2376	End	7030
Name	OJ000207_06.0225.C1.o3.gp	Method	AAT/GAP
Start	5310	End	5730
GI	none	Score	806
Exons	5310..5730		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79481	Strand	-
Start	9372	End	10670
Name	OJ000207_06.0225.C1.o2.np	Method	AAT/NAP
Start	9372	End	10670
GI	6907106	Score	397
Exons	9372..9558, 9632..9955, 10170..10408, 10588..10670		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	5094	End	5555
GI	none	Score	101
Exons	5094..5222, 5241..5555, 5242..5466		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	5127	End	5555
GI	none	Score	216
Exons	5127..5555, 5134..5463		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	5358	End	5552
GI	none	Score	200
Exons	5358..5552		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o3.tm	Method	TBLASTX:Maize
Start	7545	End	7728
GI	none	Score	195
Exons	7545..7727, 7546..7728		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	9468	End	9840
GI	none	Score	65
Exons	9468..9515, 9470..9517, 9471..9515, 9490..9600, 9589..9615, 9602..9718, 9604..9654, 9605..9817, 9617..9799, 9718..9840, 9721..9795		

Seq. No.	38637	Seq. ID	OJ000207_06.0225.C1
Gene No.	79482	Strand	-
Start	11450	End	11896
Name	OJ000207_06.0225.C1.o4.gs	Method	GENSCAN
Start	11450	End	11896
GI	none	Score	.58
Exons	11450..11636, 11862..11896		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79483	Strand	+
Start	3721	End	4353
Name	OJ000207_06.0225.C2.o1.np	Method	AAT/NAP
Start	3721	End	4353
GI	6553882	Score	396
Exons	3721..4353		

GI Descrip. (AC012563) unknown protein [Arabidopsis thaliana]

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79484	Strand	-
Start	4493	End	4778
Name	OJ000207_06.0225.C2.o1.gp	Method	AAT/GAP
Start	4493	End	4778
GI	none	Score	454
Exons	4493..4778		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212
Name	OJ000207_06.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	3817	End	4275
GI	none	Score	226
Exons	3817..3984, 3831..3983, 3850..3984, 3851..3988, 4003..4275, 4030..4170, 4044..4250		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212
Name	OJ000207_06.0225.C2.o1.tc	Method	TBLASTX:Cress
Start	3832	End	4301
GI	none	Score	183
Exons	3832..3984, 3861..3980, 4036..4296, 4044..4301		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212
Name	OJ000207_06.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	3874	End	4308
GI	none	Score	180
Exons	3874..3984, 3879..3989, 4012..4308, 4027..4173, 4044..4274		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212
Name	OJ000207_06.0225.C2.o1.tw	Method	TBLASTX:Wheat
Start	6548	End	6871
GI	none	Score	37
Exons	6548..6595, 6578..6607, 6584..6625, 6585..6602, 6620..6697, 6623..6697, 6624..6698, 6690..6749, 6696..6749, 6751..6870, 6755..6871		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212
Name	OJ000207_06.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	6663	End	7089
GI	none	Score	44
Exons	6663..6731, 6668..6733, 6760..7011, 6765..7010, 6766..7011, 6767..7060, 7026..7088, 7027..7089, 7027..7089		

Seq. No.	38638	Seq. ID	OJ000207_06.0225.C2
Gene No.	79485	Strand	-
Start	6754	End	7212

Name	OJ000207_06.0225.C2.o2.gs	Method	GENSCAN
Start	6754	End	7212
GI	none	Score	1
Exons	6754..7212		

Seq. No.	38639	Seq. ID	OJ000207_06.0225.C4
Gene No.	79486	Strand	+
Start	1	End	803
Name	OJ000207_06.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	803
GI	4522009	Score	460
Exons	1..237, 321..476, 568..803		
GI Descrip.	(AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	38639	Seq. ID	OJ000207_06.0225.C4
Gene No.	79486	Strand	+
Start	1	End	803
Name	OJ000207_06.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	19	End	401
GI	none	Score	292
Exons	19..237, 19..237, 21..263, 323..373, 324..401		

Seq. No.	38639	Seq. ID	OJ000207_06.0225.C4
Gene No.	79486	Strand	+
Start	1	End	803
Name	OJ000207_06.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	19	End	773
GI	none	Score	232
Exons	19..237, 19..180, 21..215, 321..476, 422..481, 555..773, 556..729		

Seq. No.	38639	Seq. ID	OJ000207_06.0225.C4
Gene No.	79486	Strand	+
Start	1	End	803
Name	OJ000207_06.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	402	End	797
GI	none	Score	133
Exons	402..479, 554..712, 555..728, 555..797, 559..729		

Seq. No.	38639	Seq. ID	OJ000207_06.0225.C4
Gene No.	79486	Strand	+
Start	1	End	803
Name	OJ000207_06.0225.C4.o1.gp	Method	AAT/GAP
Start	446	End	727
GI	uC-osflcyp080g07b1	Score	333
Exons	446..476, 568..727		
GI Descrip.	'4522009/gb|AAD21782.1| 5.0e-45 (AC007069) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79487	Strand	+
Start	730	End	3055
Name	OJ000207_06.0225.C6.o1.gs	Method	GENSCAN
Start	730	End	3055
GI	none	Score	.72
Exons	730..781, 1094..1454, 1461..1645, 1731..2010, 2610..2650, 2913..3055		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o1.gp	Method	AAT/GAP
Start	4311	End	5460
GI	34229_1.R1084	Score	1156
Exons	4311..4718, 4801..4947, 5351..5460		
GI Descrip.	'2702281 3.0e-54 (AC003033) putative protein disulfide isomerase precursor [Arabidopsis thaliana]'		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	4481	End	5765
GI	none	Score	202
Exons	4481..4717, 4490..4717, 4801..4878, 4803..4949, 4805..4963, 4806..4964, 5339..5497, 5352..5507, 5353..5496, 5572..5763, 5586..5765, 5589..5765, 5625..5699, 5700..5765		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	4544	End	5400
GI	none	Score	96
Exons	4544..4717, 4550..4714, 4647..4721, 4801..4944, 4803..4949, 4809..4949, 5351..5392, 5353..5400		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o2.gs	Method	GENSCAN
Start	4544	End	5762
GI	none	Score	.76
Exons	4544..4718, 4801..4947, 5405..5496, 5586..5762		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o1.np	Method	AAT/NAP
Start	4547	End	5948
GI	2702281	Score	719
Exons	4547..4718, 4801..4947, 5351..5496, 5586..5796, 5898..5948		
GI Descrip.	(AC003033) putative protein disulfide isomerase [Arabidopsis thaliana]		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	4818	End	5504
GI	none	Score	64
Exons	4818..4946, 4819..4878, 4830..4955, 4832..4954, 5353..5496, 5357..5497, 5403..5504		

Seq. No.	38640	Seq. ID	OJ000207_06.0225.C6
Gene No.	79488	Strand	-
Start	4544	End	5948
Name	OJ000207_06.0225.C6.o2.ts	Method	TBLASTX:Soybean
Start	5443	End	5765
GI	none	Score	61
Exons	5443..5496, 5444..5497, 5572..5763, 5586..5765, 5586..5765, 5625..5708		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79489	Strand	+
Start	11927	End	15038
Name	OJ000207_06.0225.C7.o3.np	Method	AAT/NAP
Start	11927	End	15038
GI	5902445	Score	3000
Exons	11927..13712, 13752..15038		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79490	Strand	-
Start	1	End	2896
Name	OJ000207_06.0225.C7.o1.np	Method	AAT/NAP
Start	1	End	2769
GI	2702281	Score	661
Exons	1..114, 373..554, 1153..1266, 2379..2537, 2641..2769		
GI Descrip.	(AC003033) putative protein disulfide isomerase [Arabidopsis thaliana]		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79490	Strand	-
Start	1	End	2896
Name	OJ000207_06.0225.C7.o1.gs	Method	GENSCAN
Start	15	End	2766
GI	none	Score	.95
Exons	15..114, 373..554, 1153..1266, 2379..2537, 2641..2766		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79490	Strand	-
Start	1	End	2896
Name	OJ000207_06.0225.C7.o1.gp	Method	AAT/GAP
Start	490	End	2896
GI	10695_1.R1084	Score	949
Exons	490..554, 1153..1266, 2379..2537, 2641..2809, 2874..2896		
GI Descrip.	'2702281 4.0e-48 (AC003033) putative protein disulfide isomerase precursor [Arabidopsis thaliana]'		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79491	Strand	-
Start	7201	End	8444
Name	OJ000207_06.0225.C7.o2.gp	Method	AAT/GAP
Start	6997	End	8444
GI	210_2.R1084	Score	2482
Exons	6997..8055, 8220..8444		
GI Descrip.	'2492612/sp|Q40634|ACC1_ORYSA 1.0e-175 1-AMINOCYCLOPROPANE-1-CARBOXYLATE OXIDASE (ACC OXIDASE) (ETHYLENE-FORMING ENZYME) (EFE) >gi_1076734_pir__S52712 1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase) - rice		

>gi_755773_emb_CAA59749_ (X85747)
1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase) [Oryza sativa]'

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79491	Strand	-
Start	7201	End	8444
Name	OJ000207_06.0225.C7.o2.gs	Method	GENSCAN
Start	7201	End	8333
GI	none	Score	.96
Exons	7201..8055, 8220..8333		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79491	Strand	-
Start	7201	End	8444
Name	OJ000207_06.0225.C7.o2.np	Method	AAT/NAP
Start	7204	End	8333
GI	2492612	Score	1628
Exons	7204..8055, 8220..8333		
GI Descrip.	1-AMINOCYCLOPROPANE-1-CARBOXYLATE OXIDASE (ACC OXIDASE) (ETHYLENE-FORMING ENZYME) (EFE) gi|1076734|pir||S52712 1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase) - rice gi|755773|emb|CAA59749|_(X85747) 1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase) [Oryza sativa]		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o3.ts	Method	TBLASTX:Soybean
Start	6	End	2694
GI	none	Score	116
Exons	6..113, 9..113, 10..114, 370..501, 372..458, 372..452, 482..559, 525..557, 1150..1212, 1150..1269, 1151..1267, 1151..1270, 1152..1277, 1228..1275, 2379..2540, 2385..2537, 2422..2538, 2431..2511, 2638..2694		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o6.tm	Method	TBLASTX:Maize
Start	6	End	2694
GI	none	Score	160
Exons	6..113, 9..113, 16..114, 17..118, 17..115, 352..558, 370..558, 372..452, 1150..1269, 1151..1270, 1151..1270, 2379..2540, 2379..2540, 2385..2537, 2430..2510, 2431..2511, 2638..2694, 2639..2671		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o2.tc	Method	TBLASTX:Cress
Start	15	End	2694
GI	none	Score	107
Exons	15..113, 372..452, 1150..1275, 1154..1276, 1162..1278, 1163..1279, 2379..2540, 2422..2538, 2638..2694		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o1.tc	Method	TBLASTX:Cress
Start	7213	End	8318
GI	none	Score	85
Exons	7213..7350, 7220..7324, 7345..7422, 7373..7423, 7426..7695, 7427..7696, 7801..7920, 7960..8058, 8214..8318, 8220..8315		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	7240	End	7552
GI	none	Score	116
Exons	7240..7353, 7241..7324, 7282..7329, 7342..7551, 7373..7552		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o1.ts	Method	TBLASTX:Soybean
Start	7240	End	8315
GI	none	Score	74
Exons	7240..7347, 7250..7321, 7348..7695, 7373..7696, 7801..7905, 7951..8058, 8214..8315		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o4.tw	Method	TBLASTX:Wheat
Start	7240	End	7552
GI	none	Score	106
Exons	7240..7347, 7250..7324, 7339..7551, 7376..7552		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o9.tw	Method	TBLASTX:Wheat
Start	7553	End	7678
GI	none	Score	143
Exons	7553..7678, 7555..7677		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o3.tm	Method	TBLASTX:Maize
Start	7610	End	8330
GI	none	Score	122
Exons	7610..7696, 7612..7722, 7798..7905, 7867..7911, 7933..8058, 7943..8050, 8035..8064, 8205..8327, 8214..8330		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o8.tw	Method	TBLASTX:Wheat
Start	7933	End	8349
GI	none	Score	92

Exons	7933..8058, 7943..8053, 8205..8345, 8214..8342, 8218..8349, 8219..8347		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o6.tw	Method	TBLASTX:Wheat
Start	10227	End	10632
GI	none	Score	114
Exons	10227..10286, 10228..10359, 10396..10632, 10398..10484, 10466..10558		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	11872	End	12320
GI	none	Score	139
Exons	11872..12039, 11873..12004, 11984..12319, 12014..12238, 12018..12320		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	12030	End	12350
GI	none	Score	387
Exons	12030..12350, 12048..12299, 12056..12328		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o5.tm	Method	TBLASTX:Maize
Start	12378	End	12761
GI	none	Score	309
Exons	12378..12761, 12482..12760		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o2.tw	Method	TBLASTX:Wheat
Start	12435	End	12854
GI	none	Score	452
Exons	12435..12854, 12438..12716, 12482..12817		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o2.ts	Method	TBLASTX:Soybean
Start	12519	End	12914
GI	none	Score	294
Exons	12519..12914, 12521..12673		
Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o7.tw	Method	TBLASTX:Wheat

Start	13004	End	13412
GI	none	Score	208
Exons	13004..13231, 13005..13229, 13109..13231, 13239..13412, 13337..13411		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o4.tm	Method	TBLASTX:Maize
Start	13914	End	14219
GI	none	Score	342
Exons	13914..14219, 13931..14218		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o5.tw	Method	TBLASTX:Wheat
Start	13914	End	14297
GI	none	Score	363
Exons	13914..14297, 13922..14296		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o3.tw	Method	TBLASTX:Wheat
Start	14426	End	15029
GI	none	Score	351
Exons	14426..14530, 14433..14873, 14570..14677, 14898..15029, 14903..15028		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o5.np	Method	AAT/NAP
Start	14537	End	18738
GI	6907089	Score	235
Exons	14537..14557, 15619..15693, 17988..18738		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o7.tm	Method	TBLASTX:Maize
Start	14727	End	14993
GI	none	Score	144
Exons	14727..14909, 14745..14915, 14903..14959, 14910..14993		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o4.gs	Method	GENSCAN
Start	15655	End	19628
GI	none	Score	.61
Exons	15655..15792, 15801..16171, 16279..16424, 16674..17137, 17512..17703, 17771..17895, 18062..18261, 18405..18438, 18595..18728, 19063..19165, 19243..19312, 19485..19628		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o4.np	Method	AAT/NAP
Start	16543	End	18704
GI	6721561	Score	1152
Exons	16543..17308, 17382..17441, 17512..17702, 18635..18704		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38641	Seq. ID	OJ000207_06.0225.C7
Gene No.	79492	Strand	-
Start	14537	End	21260
Name	OJ000207_06.0225.C7.o6.np	Method	AAT/NAP
Start	17744	End	21260
GI	6721512	Score	105
Exons	17744..17765, 19332..19439, 19467..19579, 21216..21260		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38642	Seq. ID	OJ000207_06.0225.C8
Gene No.	79493	Strand	+
Start	1994	End	2555
Name	OJ000207_06.0225.C8.o1.gs	Method	GENSCAN
Start	1994	End	2555
GI	none	Score	.43
Exons	1994..2393, 2433..2555		

Seq. No.	38643	Seq. ID	OJ000207_06.0225.C9
Gene No.	79494	Strand	+
Start	4347	End	8824
Name	OJ000207_06.0225.C9.o1.gs	Method	GENSCAN
Start	4347	End	8612
GI	none	Score	.84
Exons	4347..4585, 4650..4824, 4936..5122, 6379..6719, 7098..7301, 7388..7680, 7757..8127, 8183..8382, 8457..8612		

Seq. No.	38643	Seq. ID	OJ000207_06.0225.C9
Gene No.	79494	Strand	+
Start	4347	End	8824
Name	OJ000207_06.0225.C9.o1.np	Method	AAT/NAP
Start	6417	End	8824
GI	6691716	Score	1901
Exons	6417..7305, 7503..7680, 7757..7857, 7936..8115, 8195..8382, 8457..8558, 8708..8824		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	38643	Seq. ID	OJ000207_06.0225.C9
Gene No.	79495	Strand	-
Start	4975	End	5376
Name	OJ000207_06.0225.C9.o1.gp	Method	AAT/GAP
Start	4975	End	5376
GI	5816562	Score	654

Exons	4975..5376		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	38643	Seq. ID	OJ000207_06.0225.C9
Gene No.	79496	Strand	
Start	6537	End	6827
Name	OJ000207_06.0225.C9.o1.tw	Method	TBLASTX:Wheat
Start	6537	End	6827
GI	none	Score	203
Exons	6537..6827		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79497	Strand	+
Start	12004	End	13385
Name	OJ000207_06.0225.C10.o3.gp	Method	AAT/GAP
Start	11947	End	13385
GI	210_3.R1084	Score	2561
Exons	11947..12117, 12256..13385		
GI Descrip.	'2952326 1.0e-168 (AF049888) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]'		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79497	Strand	+
Start	12004	End	13385
Name	OJ000207_06.0225.C10.o2.gs	Method	GENSCAN
Start	12004	End	13110
GI	none	Score	.78
Exons	12004..12117, 12256..13110		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79497	Strand	+
Start	12004	End	13385
Name	OJ000207_06.0225.C10.o2.np	Method	AAT/NAP
Start	12028	End	13107
GI	2952326	Score	1588
Exons	12028..12117, 12256..13107		
GI Descrip.	(AF049888) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79498	Strand	+
Start	13990	End	14257
Name	OJ000207_06.0225.C10.o4.gp	Method	AAT/GAP
Start	13990	End	14257
GI	26986_1.R1084	Score	499
Exons	13990..14257		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-11 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79499	Strand	-
Start	1	End	9029
Name	OJ000207_06.0225.C10.o1.np	Method	AAT/NAP
Start	1	End	9029
GI	5922631	Score	6410
Exons	1..2333, 6090..7016, 7143..7294, 7337..7908, 7954..8144,		

	8402..8646, 8905..9029		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79499	Strand	-
Start	1	End	9029
Name	OJ000207_06.0225.C10.o1.gp	Method	AAT/GAP
Start	3620	End	4000
GI	uC-osflcyp033a04b1	Score	678
Exons	3620..4000		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o10.tw	Method	TBLASTX:Wheat
Start	1	End	273
GI	none	Score	95
Exons	1..270, 134..262, 244..273		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o6.tm	Method	TBLASTX:Maize
Start	193	End	466
GI	none	Score	58
Exons	193..279, 289..372, 302..376, 367..465, 368..466		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o5.tw	Method	TBLASTX:Wheat
Start	307	End	705
GI	none	Score	87
Exons	307..705, 316..657, 413..688		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o5.tm	Method	TBLASTX:Maize
Start	568	End	904
GI	none	Score	122
Exons	568..615, 607..753, 608..754, 755..904, 757..903		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o9.tw	Method	TBLASTX:Wheat
Start	859	End	1200
GI	none	Score	56

Exons	859..999, 881..1012, 1066..1200		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o4.tw	Method	TBLASTX:Wheat
Start	1216	End	1638
GI	none	Score	234
Exons	1216..1638, 1292..1633		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o3.ts	Method	TBLASTX:Soybean
Start	1259	End	1647
GI	none	Score	121
Exons	1259..1507, 1261..1503, 1543..1647, 1553..1639		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o7.tm	Method	TBLASTX:Maize
Start	1312	End	1584
GI	none	Score	128
Exons	1312..1410, 1414..1584		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o7.tw	Method	TBLASTX:Wheat
Start	1642	End	1923
GI	none	Score	59
Exons	1642..1923, 1654..1734, 1816..1914		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o2.tm	Method	TBLASTX:Maize
Start	1762	End	2206
GI	none	Score	142
Exons	1762..1788, 1786..1929, 1907..2191, 1948..2205, 1951..2205, 1952..2206		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o2.ts	Method	TBLASTX:Soybean
Start	1873	End	2274
GI	none	Score	44
Exons	1873..2274, 1907..2077, 2114..2257		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o2.tw	Method	TBLASTX:Wheat
Start	1928	End	2352
GI	none	Score	261

Exons	1928..2305, 1933..2352		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o3.tm	Method	TBLASTX:Maize
Start	2437	End	2794
GI	none	Score	195
Exons	2437..2793, 2447..2794		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o1.tw	Method	TBLASTX:Wheat
Start	2467	End	2913
GI	none	Score	273
Exons	2467..2913, 2468..2902		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o4.ts	Method	TBLASTX:Soybean
Start	2518	End	2883
GI	none	Score	133
Exons	2518..2652, 2659..2883		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o6.tw	Method	TBLASTX:Wheat
Start	6055	End	6750
GI	none	Score	155
Exons	6055..6246, 6293..6529, 6295..6525, 6574..6750		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o8.tm	Method	TBLASTX:Maize
Start	6265	End	6442
GI	none	Score	110
Exons	6265..6441, 6296..6442		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o8.tw	Method	TBLASTX:Wheat
Start	7330	End	7732
GI	none	Score	116
Exons	7330..7731, 7424..7732		
Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o11.tw	Method	TBLASTX:Wheat
Start	12004	End	12378
GI	none	Score	160
Exons	12004..12120, 12004..12117, 12247..12279, 12253..12378,		

12258..12368

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o4.tm	Method	TBLASTX:Maize
Start	12007	End	12701
GI	none	Score	122
Exons	12007..12192, 12022..12144, 12253..12378, 12261..12368, 12400..12444, 12406..12513, 12589..12699, 12615..12701		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o1.tc	Method	TBLASTX:Cress
Start	12019	End	13098
GI	none	Score	112
Exons	12019..12135, 12024..12134, 12253..12351, 12391..12510, 12615..12884, 12616..12885, 12888..12983, 12889..12978, 12961..13098, 12984..13091		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o1.ts	Method	TBLASTX:Soybean
Start	12022	End	13082
GI	none	Score	118
Exons	12022..12135, 12253..12360, 12406..12510, 12615..12971, 12616..12963, 12960..13082, 12964..13071		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o12.tw	Method	TBLASTX:Wheat
Start	12633	End	12758
GI	none	Score	178
Exons	12633..12758, 12634..12756		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o1.tm	Method	TBLASTX:Maize
Start	12759	End	13071
GI	none	Score	297
Exons	12759..12971, 12760..12969, 12958..13071, 12960..13061		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066
Name	OJ000207_06.0225.C10.o3.tw	Method	TBLASTX:Wheat
Start	12759	End	13071
GI	none	Score	310
Exons	12759..12983, 12760..12978, 12963..13070, 12964..13071		

Seq. No.	38644	Seq. ID	OJ000207_06.0225.C10
Gene No.	79500	Strand	-
Start	13858	End	14066

Name	OJ000207_06.0225.C10.o3.gs	Method	GENSCAN
Start	13858	End	14066
GI	none	Score	.74
Exons	13858..13935, 14058..14066		

Seq. No.	38645	Seq. ID	OJ000207_06.0225.C11
Gene No.	79501	Strand	+
Start	1	End	74
Name	OJ000207_06.0225.C11.o1.gp	Method	AAT/GAP
Start	1	End	74
GI	26986_1.R1084	Score	116
Exons	1..74		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	38645	Seq. ID	OJ000207_06.0225.C11
Gene No.	79502	Strand	+
Start	4784	End	5635
Name	OJ000207_06.0225.C11.o2.gp	Method	AAT/GAP
Start	4784	End	5635
GI	none	Score	1392
Exons	4784..5250, 5358..5635		

Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79503	Strand	-
Start	998	End	2956
Name	OJ000207_06.0225.C12.o1.gs	Method	GENSCAN
Start	998	End	2658
GI	none	Score	.51
Exons	998..1177, 1396..1546, 2279..2466, 2620..2658		

Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79503	Strand	-
Start	998	End	2956
Name	OJ000207_06.0225.C12.o1.gp	Method	AAT/GAP
Start	1832	End	2466
GI	58016_1.R1084	Score	891
Exons	1832..2136, 2279..2466		
GI Descrip.	'1076715/pir||A48892 2.0e-11 abscisic acid-induced protein HVA22 - barley >gi_404589 (L19119) A22 [Hordeum vulgare]'		

Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79503	Strand	-
Start	998	End	2956
Name	OJ000207_06.0225.C12.o1.np	Method	AAT/NAP
Start	1836	End	2956
GI	1076715	Score	352
Exons	1836..1909, 2348..2466, 2555..2677, 2803..2829, 2910..2956		
GI Descrip.	abscisic acid-induced protein HVA22 - barley gi|404589 (L19119) A22 [Hordeum vulgare]		

Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79504	Strand	-
Start	5463	End	6609
Name	OJ000207_06.0225.C12.o2.tw	Method	TBLASTX:Wheat
Start	2346	End	2677
GI	none	Score	83

Exons	2346..2465, 2554..2676, 2582..2677		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79504	Strand	-
Start	5463	End	6609
Name	OJ000207_06.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	2355	End	2677
GI	none	Score	72
Exons	2355..2465, 2377..2466, 2406..2468, 2554..2658, 2554..2676, 2579..2677		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79504	Strand	-
Start	5463	End	6609
Name	OJ000207_06.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	2358	End	2965
GI	none	Score	85
Exons	2358..2465, 2377..2463, 2406..2483, 2508..2627, 2554..2679, 2554..2679, 2796..2828, 2909..2965, 2910..2960		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79504	Strand	-
Start	5463	End	6609
Name	OJ000207_06.0225.C12.o1.tc	Method	TBLASTX:Cress
Start	2370	End	2676
GI	none	Score	135
Exons	2370..2465, 2554..2676		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79504	Strand	-
Start	5463	End	6609
Name	OJ000207_06.0225.C12.o2.gs	Method	GENSCAN
Start	5463	End	6609
GI	none	Score	.61
Exons	5463..5586, 6377..6432, 6607..6609		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79505	Strand	
Start	6702	End	7253
Name	OJ000207_06.0225.C12.o1.tw	Method	TBLASTX:Wheat
Start	6702	End	7064
GI	none	Score	92
Exons	6702..6866, 6702..6824, 6876..7064		
Seq. No.	38646	Seq. ID	OJ000207_06.0225.C12
Gene No.	79505	Strand	
Start	6702	End	7253
Name	OJ000207_06.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	6805	End	7253
GI	none	Score	54
Exons	6805..6843, 6891..7253, 6903..6968, 7046..7210, 7074..7244, 7075..7251		
Seq. No.	38647	Seq. ID	OJ000207_06.0225.C13
Gene No.	79506	Strand	-
Start	82	End	241
Name	OJ000207_06.0225.C13.o1.gs	Method	GENSCAN

Start	82	End	241
GI	none	Score	.78
Exons	82..241		

Seq. No.	38647	Seq. ID	OJ000207_06.0225.C13
Gene No.	79507	Strand	-
Start	988	End	1194
Name	OJ000207_06.0225.C13.o2.gs	Method	GENSCAN
Start	988	End	1194
GI	none	Score	.71
Exons	988..1194		

Seq. No.	38647	Seq. ID	OJ000207_06.0225.C13
Gene No.	79508	Strand	-
Start	2274	End	2992
Name	OJ000207_06.0225.C13.o3.gs	Method	GENSCAN
Start	2274	End	2992
GI	none	Score	.82
Exons	2274..2702, 2951..2992		

Seq. No.	38648	Seq. ID	OJ000207_06.0225.C14
Gene No.	79509	Strand	-
Start	734	End	1457
Name	OJ000207_06.0225.C14.o1.gs	Method	GENSCAN
Start	734	End	1457
GI	none	Score	.83
Exons	734..954, 1018..1166, 1373..1457		

Seq. No.	38648	Seq. ID	OJ000207_06.0225.C14
Gene No.	79510	Strand	-
Start	3693	End	3753
Name	OJ000207_06.0225.C14.o1.gp	Method	AAT/GAP
Start	3693	End	3753
GI	2312838	Score	74
Exons	3693..3753		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	38649	Seq. ID	OJ000207_06.0225.C15
Gene No.	79511	Strand	+
Start	1	End	378
Name	OJ000207_06.0225.C15.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	25636_1.R1084	Score	733
Exons	1..378		
GI Descrip.	'4056428 2.0e-36 (AC005322) Similar to gb_U43629 integral membrane protein from Beta vulgaris and a member of sugar transporter family PF_00083. [Arabidopsis thaliana]'		

Seq. No.	38649	Seq. ID	OJ000207_06.0225.C15
Gene No.	79512	Strand	-
Start	247	End	486
Name	OJ000207_06.0225.C15.o1.gs	Method	GENSCAN
Start	247	End	486
GI	none	Score	.46
Exons	247..486		

Seq. No.	38650	Seq. ID	OJ000207_06.0225.C17
Gene No.	79513	Strand	+
Start	1	End	325
Name	OJ000207_06.0225.C17.o1.np	Method	AAT/NAP
Start	1	End	322
GI	5902446	Score	422
Exons	1..322		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	38650	Seq. ID	OJ000207_06.0225.C17
Gene No.	79513	Strand	+
Start	1	End	325
Name	OJ000207_06.0225.C17.o1.gs	Method	GENSCAN
Start	92	End	325
GI	none	Score	.62
Exons	92..325		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685
Name	OJ000207_16.0301.C2.o1.gp	Method	AAT/GAP
Start	4756	End	5314
GI	uC-osrocyp009f01b1	Score	670
Exons	4756..5003, 5105..5185, 5285..5314		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685
Name	OJ000207_16.0301.C2.o2.gs	Method	GENSCAN
Start	4777	End	6679
GI	none	Score	1
Exons	4777..5003, 5105..5185, 5285..5387, 6590..6679		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685
Name	OJ000207_16.0301.C2.o1.tm	Method	TBLASTX:Maize
Start	4864	End	5380
GI	none	Score	185
Exons	4864..5004, 4887..5003, 5084..5185, 5091..5177, 5091..5192, 5105..5185, 5278..5376, 5282..5380, 5283..5378		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685
Name	OJ000207_16.0301.C2.o1.tc	Method	TBLASTX:Cress
Start	4876	End	6679
GI	none	Score	130
Exons	4876..5004, 4890..5003, 5084..5185, 5091..5177, 5091..5192, 5167..5196, 5282..5389, 5283..5387, 6575..6679		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685

Name	OJ000207_16.0301.C2.o1.ts	Method	TBLASTX:Soybean
Start	4876	End	6679
GI	none	Score	118
Exons	4876..5004, 4887..5000, 5090..5185, 5091..5177, 5282..5383, 5283..5387, 6575..6679		

Seq. No.	38651	Seq. ID	OJ000207_16.0301.C2
Gene No.	79514	Strand	+
Start	4777	End	6685
Name	OJ000207_16.0301.C2.o1.tw	Method	TBLASTX:Wheat
Start	5154	End	6685
GI	none	Score	45
Exons	5154..5177, 5154..5192, 5156..5185, 5161..5196, 5278..5385, 5282..5386, 5283..5387, 5284..5388, 6575..6685, 6584..6661, 6588..6680		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79515	Strand	+
Start	887	End	4684
Name	OJ000207_16.0301.C3.o1.gs	Method	GENSCAN
Start	887	End	4684
GI	none	Score	.45
Exons	887..948, 3056..3962, 4061..4684		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79515	Strand	+
Start	887	End	4684
Name	OJ000207_16.0301.C3.o1.np	Method	AAT/NAP
Start	2032	End	4669
GI	584861	Score	813
Exons	2032..2078, 3121..3962, 4061..4669		
GI Descrip.	CYTOCHROME P450 71A2 (CYPLXXIA2) (P-450EG4) gi|480396|pir||S36806 cytochrome P450 71A2 - eggplant gi|408140|emb|CAA50645| (X71654) P450 hydroxylase [Solanum melongena] gi|441185|dbj|BAA03635| (D14990) Cytochrome P-450EG4 [Solanum melongena]		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79515	Strand	+
Start	887	End	4684
Name	OJ000207_16.0301.C3.o1.gp	Method	AAT/GAP
Start	3853	End	4403
GI	LIB3432-037-P1-K1-A12	Score	855
Exons	3853..3962, 4061..4403		
GI Descrip.	'166949 3.0e-36 (M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]'		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79516	Strand	+
Start	7205	End	11408
Name	OJ000207_16.0301.C3.o3.gs	Method	GENSCAN
Start	7205	End	11328
GI	none	Score	.94
Exons	7205..8676, 8772..8851, 9268..9455, 10293..11328		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79516	Strand	+

Start	7205	End	11408
Name	OJ000207_16.0301.C3.o2.np	Method	AAT/NAP
Start	8033	End	11408
GI	6562264	Score	933
Exons	8033..8195, 8585..8676, 8772..8851, 9268..9458, 10293..10399, 10436..10614, 10738..11408		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o1.tc	Method	TBLASTX:Cress
Start	3120	End	4660
GI	none	Score	45
Exons	3120..3176, 3297..3476, 4052..4186, 4111..4179, 4183..4419, 4184..4423, 4439..4573, 4450..4602, 4595..4660		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o3.tm	Method	TBLASTX:Maize
Start	3659	End	4287
GI	none	Score	40
Exons	3659..3835, 3660..3689, 3693..3866, 3879..3929, 4055..4171, 4058..4180, 4060..4173, 4192..4287, 4193..4285		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o1.ts	Method	TBLASTX:Soybean
Start	4052	End	4675
GI	none	Score	335
Exons	4052..4423, 4091..4171, 4222..4422, 4436..4675, 4441..4620		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o1.tw	Method	TBLASTX:Wheat
Start	4052	End	4369
GI	none	Score	286
Exons	4052..4192, 4061..4369, 4117..4368		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o1.tm	Method	TBLASTX:Maize
Start	4288	End	4687
GI	none	Score	522
Exons	4288..4620, 4289..4663, 4427..4687		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o2.tw	Method	TBLASTX:Wheat
Start	4393	End	4660
GI	none	Score	48
Exons	4393..4419, 4394..4420, 4438..4620, 4439..4660, 4529..4627		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79517	Strand	-
Start	5276	End	5786
Name	OJ000207_16.0301.C3.o2.gs	Method	GENSCAN
Start	5276	End	5786
GI	none	Score	.65
Exons	5276..5342, 5451..5592, 5639..5786		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79518	Strand	
Start	8618	End	9311
Name	OJ000207_16.0301.C3.o3.ts	Method	TBLASTX:Soybean
Start	8618	End	9311
GI	none	Score	96
Exons	8618..8677, 8629..8679, 8770..8853, 8772..8852, 9267..9311		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79519	Strand	
Start	10292	End	10956
Name	OJ000207_16.0301.C3.o4.tm	Method	TBLASTX:Maize
Start	10292	End	10435
GI	none	Score	184
Exons	10292..10435, 10293..10415		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79519	Strand	
Start	10292	End	10956
Name	OJ000207_16.0301.C3.o2.tc	Method	TBLASTX:Cress
Start	10295	End	10956
GI	none	Score	116
Exons	10295..10384, 10296..10403, 10742..10840, 10752..10955, 10767..10955, 10789..10956		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79519	Strand	
Start	10292	End	10956
Name	OJ000207_16.0301.C3.o4.ts	Method	TBLASTX:Soybean
Start	10724	End	10907
GI	none	Score	70
Exons	10724..10840, 10748..10852, 10752..10904, 10767..10907		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79520	Strand	
Start	10940	End	11368
Name	OJ000207_16.0301.C3.o2.tm	Method	TBLASTX:Maize
Start	10940	End	11355
GI	none	Score	285
Exons	10940..11122, 10941..11123, 10943..11137, 10945..11136, 11082..11330, 11144..11338, 11146..11340, 11212..11355		

Seq. No.	38652	Seq. ID	OJ000207_16.0301.C3
Gene No.	79520	Strand	
Start	10940	End	11368
Name	OJ000207_16.0301.C3.o2.ts	Method	TBLASTX:Soybean
Start	11114	End	11368
GI	none	Score	276

Exons	11114..11188, 11121..11330, 11121..11330, 11249..11368		
Seq. No.	38653	Seq. ID	OJ000207_16.0301.C4
Gene No.	79521	Strand	+
Start	270	End	408
Name	OJ000207_16.0301.C4.o1.gs	Method	GENSCAN
Start	270	End	408
GI	none	Score	.91
Exons	270..332, 394..408		
Seq. No.	38653	Seq. ID	OJ000207_16.0301.C4
Gene No.	79522	Strand	-
Start	1323	End	2798
Name	OJ000207_16.0301.C4.o2.gs	Method	GENSCAN
Start	1323	End	2798
GI	none	Score	.74
Exons	1323..1459, 2067..2106, 2689..2798		
Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79523	Strand	+
Start	1892	End	3190
Name	OJ000207_16.0301.C5.o1.np	Method	AAT/NAP
Start	1892	End	3190
GI	6633989	Score	953
Exons	1892..2932, 3019..3190		
GI Descrip.	(AB036059) cytochrome P450 [Arabidopsis thaliana] gi|6899886|emb|CAB71895.1| (AL138642) cytochrome p450 (CYP78A9) [Arabidopsis thaliana]		
Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79523	Strand	+
Start	1892	End	3190
Name	OJ000207_16.0301.C5.o2.gs	Method	GENSCAN
Start	1892	End	3177
GI	none	Score	.74
Exons	1892..2932, 3019..3177		
Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79524	Strand	-
Start	583	End	1257
Name	OJ000207_16.0301.C5.o1.gs	Method	GENSCAN
Start	583	End	1257
GI	none	Score	.53
Exons	583..606, 1153..1257		
Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79525	Strand	
Start	1922	End	2368
Name	OJ000207_16.0301.C5.o2.tm	Method	TBLASTX:Maize
Start	1922	End	2368
GI	none	Score	49
Exons	1922..1951, 1967..2050, 1999..2061, 2117..2173, 2123..2173, 2240..2368, 2251..2367		
Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79526	Strand	
Start	2339	End	3188

Name	OJ000207_16.0301.C5.o1.ts	Method	TBLASTX:Soybean
Start	2339	End	3138
GI	none	Score	182
Exons	2339..2503, 2342..2431, 2353..2487, 2578..2619, 2579..2626, 2663..2833, 2710..2823, 2849..2932, 2857..2934, 2858..2932, 3018..3065, 3019..3135, 3022..3138		

Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79526	Strand	
Start	2339	End	3188
Name	OJ000207_16.0301.C5.o1.tm	Method	TBLASTX:Maize
Start	2663	End	3188
GI	none	Score	273
Exons	2663..2833, 2663..2755, 2713..2883, 2858..2932, 2858..2932, 3019..3138, 3019..3138, 3136..3186, 3153..3188		

Seq. No.	38654	Seq. ID	OJ000207_16.0301.C5
Gene No.	79526	Strand	
Start	2339	End	3188
Name	OJ000207_16.0301.C5.o1.tc	Method	TBLASTX:Cress
Start	2702	End	3153
GI	none	Score	143
Exons	2702..2830, 2716..2829, 2854..2934, 2858..2932, 3018..3071, 3019..3153		

Seq. No.	38655	Seq. ID	OJ000207_16.0301.C6
Gene No.	79527	Strand	-
Start	11	End	326
Name	OJ000207_16.0301.C6.o1.gp	Method	AAT/GAP
Start	11	End	326
GI	LIB3431-024-P1-N1-D8	Score	616
Exons	11..326		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38655	Seq. ID	OJ000207_16.0301.C6
Gene No.	79528	Strand	-
Start	718	End	2640
Name	OJ000207_16.0301.C6.o1.gs	Method	GENSCAN
Start	718	End	2640
GI	none	Score	.72
Exons	718..862, 2384..2640		

Seq. No.	38656	Seq. ID	OJ000207_16.0301.C7
Gene No.	79529	Strand	+
Start	139	End	975
Name	OJ000207_16.0301.C7.o1.tw	Method	TBLASTX:Wheat
Start	133	End	519
GI	none	Score	354
Exons	133..519, 144..518		

Seq. No.	38656	Seq. ID	OJ000207_16.0301.C7
Gene No.	79529	Strand	+
Start	139	End	975
Name	OJ000207_16.0301.C7.o1.gs	Method	GENSCAN
Start	139	End	943
GI	none	Score	.82

Exons	139..943		
Seq. No.	38656	Seq. ID	OJ000207_16.0301.C7
Gene No.	79529	Strand	+
Start	139	End	975
Name	OJ000207_16.0301.C7.o1.np	Method	AAT/NAP
Start	139	End	975
GI	6539553	Score	1429
Exons	139..975		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	38656	Seq. ID	OJ000207_16.0301.C7
Gene No.	79529	Strand	+
Start	139	End	975
Name	OJ000207_16.0301.C7.o1.tm	Method	TBLASTX:Maize
Start	268	End	581
GI	none	Score	366
Exons	268..579, 276..581		
Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o1.np	Method	AAT/NAP
Start	1	End	1972
GI	166949	Score	696
Exons	1..388, 1087..1972		
GI Descrip.	(M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]		
Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o2.tc	Method	TBLASTX:Cress
Start	2	End	1983
GI	none	Score	172
Exons	2..139, 3..398, 203..394, 1778..1846, 1954..1983		
Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o4.tm	Method	TBLASTX:Maize
Start	2	End	392
GI	none	Score	196
Exons	2..145, 3..392, 31..210, 203..391		
Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o4.ts	Method	TBLASTX:Soybean
Start	2	End	398
GI	none	Score	143
Exons	2..139, 3..398, 203..388		
Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-

Start	1	End	6337
Name	OJ000207_16.0301.C8.o2.tw	Method	TBLASTX:Wheat
Start	80	End	388
GI	none	Score	142
Exons	80..139, 81..380, 203..388		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o1.gs	Method	GENSCAN
Start	95	End	6337
GI	none	Score	.75
Exons	95..388, 1087..1521, 1568..2008, 2767..3054, 3389..3664, 3780..3941, 5487..5873, 5894..6337		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o3.tc	Method	TBLASTX:Cress
Start	1339	End	1771
GI	none	Score	167
Exons	1339..1458, 1550..1771		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o3.tw	Method	TBLASTX:Wheat
Start	1550	End	1846
GI	none	Score	60
Exons	1550..1639, 1625..1732, 1628..1768, 1769..1846		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o5.ts	Method	TBLASTX:Soybean
Start	1550	End	1846
GI	none	Score	85
Exons	1550..1771, 1778..1846		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o5.tm	Method	TBLASTX:Maize
Start	1655	End	1846
GI	none	Score	76
Exons	1655..1846, 1667..1732, 1791..1844		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o1.tw	Method	TBLASTX:Wheat
Start	2428	End	2856
GI	none	Score	38
Exons	2428..2493, 2429..2488, 2477..2722, 2503..2523, 2538..2729, 2582..2728, 2723..2818, 2723..2806, 2725..2856		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8

Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o1.tm	Method	TBLASTX:Maize
Start	2725	End	3461
GI	none	Score	122
Exons	2725..3057, 2726..2818, 2731..2820, 2892..3056, 2909..3058, 3384..3461, 3386..3460		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o2.np	Method	AAT/NAP
Start	2725	End	6235
GI	4539320	Score	1517
Exons	2725..3054, 3389..3664, 3780..3941, 5487..5786, 5879..6235		
GI Descrip.	(AL035679) putative endo-1, 4-beta-glucanase [Arabidopsis thaliana]		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o2.ts	Method	TBLASTX:Soybean
Start	2731	End	2985
GI	none	Score	99
Exons	2731..2985, 2735..2818, 2912..2983		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o1.tc	Method	TBLASTX:Cress
Start	2746	End	6220
GI	none	Score	65
Exons	2746..3057, 2747..2800, 2912..3058, 3384..3518, 3386..3562, 3563..3667, 3696..3887, 3765..3953, 3772..3942, 5485..5520, 5487..5519, 5547..5792, 5641..5787, 5879..5968, 5889..5966, 5975..6142, 5976..6053, 6152..6220		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o3.ts	Method	TBLASTX:Soybean
Start	3413	End	3843
GI	none	Score	131
Exons	3413..3667, 3414..3665, 3778..3843, 3780..3842		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o2.tm	Method	TBLASTX:Maize
Start	3501	End	3924
GI	none	Score	86
Exons	3501..3545, 3502..3549, 3503..3583, 3558..3584, 3575..3667, 3576..3665, 3775..3924, 3778..3921, 3780..3923		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337

Name	OJ000207_16.0301.C8.o1.ts	Method	TBLASTX:Soybean
Start	5538	End	6217
GI	none	Score	108
Exons	5538..5786, 5641..5787, 5912..5953, 5913..5954, 5969..6142, 6140..6217		

Seq. No.	38657	Seq. ID	OJ000207_16.0301.C8
Gene No.	79530	Strand	-
Start	1	End	6337
Name	OJ000207_16.0301.C8.o3.tm	Method	TBLASTX:Maize
Start	5734	End	6220
GI	none	Score	79
Exons	5734..5787, 5734..5775, 5736..5792, 5849..5968, 5889..5966, 5964..6053, 5975..6142, 6146..6220, 6153..6197		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79531	Strand	+
Start	8874	End	13536
Name	OJ000207_16.0301.C10.o3.gs	Method	GENSCAN
Start	8874	End	13453
GI	none	Score	.65
Exons	8874..9049, 9167..9302, 10009..10202, 10298..10359, 10529..10650, 11344..11454, 12569..12676, 12967..13056, 13346..13453		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79531	Strand	+
Start	8874	End	13536
Name	OJ000207_16.0301.C10.o4.np	Method	AAT/NAP
Start	12055	End	13444
GI	4455227	Score	572
Exons	12055..12145, 12250..12404, 12569..12676, 12967..13056, 13346..13444		
GI Descrip.	(AL035440) SNF8 like protein [Arabidopsis thaliana]		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79531	Strand	+
Start	8874	End	13536
Name	OJ000207_16.0301.C10.o3.gp	Method	AAT/GAP
Start	12320	End	13536
GI	26378_1.R1084	Score	838
Exons	12320..12404, 12569..12676, 12967..13056, 13346..13536		
GI Descrip.	'4455227/emb|CAB36550.1| 2.0e-42 (AL035440) SNF8 like protein [Arabidopsis thaliana]'		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79532	Strand	+
Start	15757	End	17679
Name	OJ000207_16.0301.C10.o5.gs	Method	GENSCAN
Start	15757	End	17679
GI	none	Score	.54
Exons	15757..16741, 17579..17679		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79533	Strand	+
Start	18895	End	21328
Name	OJ000207_16.0301.C10.o5.np	Method	AAT/NAP

Start	18895	End	21328
GI	5668637	Score	481
Exons	18895..19274, 20721..21063, 21153..21328		
GI Descrip.	(AL109619) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79533	Strand	+
Start	18895	End	21328
Name	OJ000207_16.0301.C10.o4.gp	Method	AAT/GAP
Start	19502	End	19703
GI	4878384	Score	385
Exons	19502..19703		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79534	Strand	-
Start	479	End	1592
Name	OJ000207_16.0301.C10.o1.gs	Method	GENSCAN
Start	479	End	1592
GI	none	Score	.75
Exons	479..558, 1235..1592		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o1.gp	Method	AAT/GAP
Start	3941	End	6722
GI	1214_1.R1084	Score	1963
Exons	3941..4390, 5009..5111, 5430..5568, 5957..6049, 6332..6378, 6478..6722		
GI Descrip.	'4469021/emb|CAB38282| 3.0e-68 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o1.np	Method	AAT/NAP
Start	4273	End	6649
GI	4469021	Score	570
Exons	4273..4390, 5009..5111, 5430..5568, 5957..6049, 6332..6415, 6476..6649		
GI Descrip.	(AL035602) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o2.gs	Method	GENSCAN
Start	4273	End	8346
GI	none	Score	.9
Exons	4273..4390, 5009..5211, 5957..6049, 6332..6378, 6478..6648, 7308..8346		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o2.gp	Method	AAT/GAP
Start	7121	End	7874
GI	17748_1.R1084	Score	1433

Exons	7121..7874		
GI Descrip.	'3600031 2.0e-33 (AF080119) similar to 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolases [Arabidopsis thaliana]'		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o3.np	Method	AAT/NAP
Start	7132	End	10905
GI	5052007	Score	180
Exons	7132..7161, 9023..9313, 10832..10905		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79535	Strand	-
Start	4273	End	10905
Name	OJ000207_16.0301.C10.o2.np	Method	AAT/NAP
Start	7303	End	9046
GI	3600031	Score	903
Exons	7303..8173, 8816..9046		
GI Descrip.	(AF080119) similar to 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolases [Arabidopsis thaliana]		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o3.ts	Method	TBLASTX:Soybean
Start	4257	End	6499
GI	none	Score	126
Exons	4257..4382, 4279..4392, 4280..4393, 5000..5110, 5008..5115, 5425..5571, 5435..5575, 5957..6046, 5957..6052, 6329..6379, 6479..6499		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o3.tm	Method	TBLASTX:Maize
Start	4268	End	6688
GI	none	Score	173
Exons	4268..4390, 4269..4391, 4273..4392, 5006..5110, 5007..5114, 5008..5115, 5012..5110, 5412..5570, 5425..5571, 5427..5576, 5429..5575, 5518..5577, 5957..6046, 5957..6052, 5977..6054, 6326..6379, 6329..6379, 6479..6688, 6480..6686		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o1.tw	Method	TBLASTX:Wheat
Start	7165	End	7611
GI	none	Score	35
Exons	7165..7188, 7169..7192, 7216..7260, 7229..7267, 7294..7314, 7298..7318, 7369..7500, 7369..7611, 7382..7609		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375

Name	OJ000207_16.0301.C10.o1.tc	Method	TBLASTX:Cress
Start	7387	End	8157
GI	none	Score	103
Exons	7387..7521, 7388..7516, 7564..7665, 7565..7981, 7723..8157, 8096..8155		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o1.ts	Method	TBLASTX:Soybean
Start	7631	End	8040
GI	none	Score	125
Exons	7631..7852, 7633..8040, 7901..7981, 7915..8040		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o2.ts	Method	TBLASTX:Soybean
Start	11029	End	12400
GI	none	Score	39
Exons	11029..11073, 11202..11246, 11203..11253, 11340..11453, 11341..11454, 11344..11454, 11954..12142, 12007..12147, 12009..12146, 12260..12400, 12261..12398		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o5.tm	Method	TBLASTX:Maize
Start	11196	End	12272
GI	none	Score	94
Exons	11196..11255, 11197..11253, 11341..11454, 11343..11453, 11344..11454, 11954..12142, 12007..12147, 12007..12144, 12012..12146, 12242..12271, 12246..12272		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o3.tc	Method	TBLASTX:Cress
Start	11203	End	12075
GI	none	Score	69
Exons	11203..11253, 11211..11246, 11340..11453, 11341..11454, 12007..12075, 12009..12074		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79536	Strand	-
Start	14195	End	15375
Name	OJ000207_16.0301.C10.o4.gs	Method	GENSCAN
Start	14195	End	15375
GI	none	Score	.95
Exons	14195..14842, 14949..15300, 15374..15375		

Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79537	Strand	
Start	15754	End	16179
Name	OJ000207_16.0301.C10.o4.tm	Method	TBLASTX:Maize
Start	15754	End	16179
GI	none	Score	34

Exons	15754..15795, 15858..15920, 15864..15926, 15901..16179, 15996..16157		
Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79538	Strand	
Start	16312	End	16724
Name	OJ000207_16.0301.C10.o2.tm	Method	TBLASTX:Maize
Start	16312	End	16724
GI	none	Score	135
Exons	16312..16413, 16314..16424, 16413..16652, 16413..16724, 16414..16722		
Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79539	Strand	
Start	20781	End	21395
Name	OJ000207_16.0301.C10.o1.tm	Method	TBLASTX:Maize
Start	20781	End	21395
GI	none	Score	318
Exons	20781..21065, 20790..21023, 20890..21057, 21151..21351, 21151..21363, 21152..21382, 21180..21395		
Seq. No.	38658	Seq. ID	OJ000207_16.0301.C10
Gene No.	79539	Strand	
Start	20781	End	21395
Name	OJ000207_16.0301.C10.o2.tc	Method	TBLASTX:Cress
Start	20838	End	21384
GI	none	Score	173
Exons	20838..21065, 20927..21064, 21142..21384, 21152..21322		
Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79540	Strand	+
Start	5695	End	10208
Name	OJ000207_16.0301.C11.o2.gs	Method	GENSCAN
Start	5695	End	10208
GI	none	Score	.41
Exons	5695..6053, 6171..6306, 7965..8067, 8164..8310, 9103..9238, 9842..10208		
Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79540	Strand	+
Start	5695	End	10208
Name	OJ000207_16.0301.C11.o1.np	Method	AAT/NAP
Start	5902	End	8456
GI	6553917	Score	595
Exons	5902..6045, 6163..6306, 7965..8456		
GI Descrip.	(AC012329) putative 6-phosphogluconolactonase [Arabidopsis thaliana] gi|6723406|emb|CAB66415.1| (AL132956) 6-phosphogluconolactonase-like protein [Arabidopsis thaliana]		
Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79540	Strand	+
Start	5695	End	10208
Name	OJ000207_16.0301.C11.o1.gp	Method	AAT/GAP
Start	5943	End	8306
GI	30106_1.R1084	Score	1118
Exons	5943..6053, 6171..6306, 7965..8306		
GI Descrip.	'6018458/emb|CAB57866.1| 2.0e-35 (AJ243972)		

6-phosphogluconolactonase [Homo sapiens]'

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79540	Strand	+
Start	5695	End	10208
Name	OJ000207_16.0301.C11.o2.gp	Method	AAT/GAP
Start	8324	End	8704
GI	none	Score	750
Exons	8324..8704		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79541	Strand	+
Start	12596	End	15405
Name	OJ000207_16.0301.C11.o2.np	Method	AAT/NAP
Start	12596	End	15405
GI	6553916	Score	220
Exons	12596..12744, 14466..14607, 14783..14832, 15361..15405		
GI Descrip.	(AC012329) putative GTPase activator protein of Rab-like small GTPases [Arabidopsis thaliana] gi|6723405|emb|CAB66414.1| (AL132956) GTPase activating-like protein [Arabidopsis thaliana]		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79542	Strand	-
Start	2403	End	5272
Name	OJ000207_16.0301.C11.o1.gs	Method	GENSCAN
Start	2403	End	5272
GI	none	Score	.41
Exons	2403..2658, 2881..3082, 3094..3275, 3699..3886, 4863..4942, 5068..5272		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o1.tm	Method	TBLASTX:Maize
Start	5746	End	8660
GI	none	Score	46
Exons	5746..5802, 5908..6054, 5943..6041, 6001..6054, 6139..6309, 6168..6221, 6169..6309, 6170..6316, 6291..6317, 7963..8448, 7964..8449, 7965..8462, 8580..8645, 8640..8660		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o2.tc	Method	TBLASTX:Cress
Start	5908	End	6309
GI	none	Score	119
Exons	5908..6042, 5958..6041, 6163..6309, 6183..6308		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o1.ts	Method	TBLASTX:Soybean
Start	5935	End	8357
GI	none	Score	137
Exons	5935..6054, 5943..6044, 6136..6309, 6169..6309, 7962..8072, 7964..8320, 7964..8317, 7965..8357, 8106..8321		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o1.tw	Method	TBLASTX:Wheat
Start	5944	End	8249
GI	none	Score	134
Exons	5944..6054, 5946..6041, 6001..6054, 6168..6227, 6169..6309, 6169..6309, 6170..6319, 7962..8234, 7963..8223, 7964..8248, 7965..8249		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o1.tc	Method	TBLASTX:Cress
Start	7965	End	8348
GI	none	Score	69
Exons	7965..8066, 8010..8348, 8045..8284, 8049..8285		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o2.tw	Method	TBLASTX:Wheat
Start	8276	End	8478
GI	none	Score	257
Exons	8276..8443, 8277..8444, 8281..8478, 8283..8447		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o3.gs	Method	GENSCAN
Start	12388	End	15317
GI	none	Score	.69
Exons	12388..12441, 12622..12879, 14269..14344, 15139..15317		

Seq. No.	38659	Seq. ID	OJ000207_16.0301.C11
Gene No.	79543	Strand	-
Start	12388	End	15415
Name	OJ000207_16.0301.C11.o2.tm	Method	TBLASTX:Maize
Start	14463	End	15415
GI	none	Score	222
Exons	14463..14552, 14464..14607, 14464..14604, 14782..14841, 15350..15415		

Seq. No.	38660	Seq. ID	OJ000207_16.0301.C12
Gene No.	79544	Strand	+
Start	1262	End	2006
Name	OJ000207_16.0301.C12.o1.gs	Method	GENSCAN
Start	1262	End	2006
GI	none	Score	.62
Exons	1262..1462, 1677..1831, 1851..2006		

Seq. No.	38660	Seq. ID	OJ000207_16.0301.C12
Gene No.	79545	Strand	+
Start	2868	End	3381
Name	OJ000207_16.0301.C12.o2.gs	Method	GENSCAN
Start	2868	End	3381
GI	none	Score	.68

Exons	2868..3021, 3296..3381		
Seq. No.	38660	Seq. ID	OJ000207_16.0301.C12
Gene No.	79545	Strand	+
Start	2868	End	3381
Name	OJ000207_16.0301.C12.o1.gp	Method	AAT/GAP
Start	3212	End	3373
GI	uC-osflcyp154c08a1	Score	287
Exons	3212..3373		
GI Descrip.	'5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		
Seq. No.	38661	Seq. ID	OJ000207_16.0301.C13
Gene No.	79546	Strand	+
Start	1	End	1514
Name	OJ000207_16.0301.C13.o1.np	Method	AAT/NAP
Start	1	End	1514
GI	4680183	Score	204
Exons	1..64, 748..818, 1425..1514		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	38661	Seq. ID	OJ000207_16.0301.C13
Gene No.	79547	Strand	-
Start	2178	End	2668
Name	OJ000207_16.0301.C13.o2.gs	Method	GENSCAN
Start	2178	End	2668
GI	none	Score	.75
Exons	2178..2532, 2577..2668		
Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o2.gs	Method	GENSCAN
Start	2843	End	7334
GI	none	Score	.76
Exons	2843..2928, 3958..4193, 4323..4537, 5013..5130, 5325..7334		
Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o1.np	Method	AAT/NAP
Start	5324	End	7661
GI	6539553	Score	4008
Exons	5324..7661		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o2.tw	Method	TBLASTX:Wheat
Start	5460	End	5936
GI	none	Score	356
Exons	5460..5846, 5498..5845, 5539..5847, 5861..5935, 5865..5936		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o4.ts	Method	TBLASTX:Soybean
Start	5588	End	5929
GI	none	Score	79
Exons	5588..5797, 5667..5792, 5816..5929, 5823..5903		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o2.tm	Method	TBLASTX:Maize
Start	5792	End	6131
GI	none	Score	206
Exons	5792..6130, 5793..6131		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o2.ts	Method	TBLASTX:Soybean
Start	5942	End	6287
GI	none	Score	124
Exons	5942..6286, 6087..6287		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o3.tw	Method	TBLASTX:Wheat
Start	6140	End	6685
GI	none	Score	48
Exons	6140..6346, 6150..6272, 6341..6685, 6365..6538		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o1.tm	Method	TBLASTX:Maize
Start	6221	End	6686
GI	none	Score	51
Exons	6221..6685, 6324..6434, 6368..6550, 6504..6686		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o1.ts	Method	TBLASTX:Soybean
Start	6356	End	6820
GI	5509260	Score	54
Exons	6356..6820, 6375..6434, 6507..6602, 6651..6719		
GI Descrip.	-		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o1.tc	Method	TBLASTX:Cress
Start	6467	End	6727
GI	none	Score	62
Exons	6467..6727, 6648..6725		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o1.tw	Method	TBLASTX:Wheat
Start	6740	End	7496
GI	none	Score	200
Exons	6740..6979, 6741..6899, 6757..6987, 6760..6957, 7008..7310, 7019..7375, 7031..7372, 7045..7374, 7359..7496, 7371..7487, 7372..7488		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o3.tm	Method	TBLASTX:Maize
Start	7145	End	7640
GI	none	Score	66
Exons	7145..7312, 7362..7640, 7401..7511, 7402..7551		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o3.ts	Method	TBLASTX:Soybean
Start	7145	End	7544
GI	none	Score	38
Exons	7145..7318, 7272..7310, 7362..7544, 7374..7535, 7378..7536		

Seq. No.	38662	Seq. ID	OJ000207_16.0301.C14
Gene No.	79548	Strand	-
Start	2843	End	7661
Name	OJ000207_16.0301.C14.o4.tw	Method	TBLASTX:Wheat
Start	7497	End	7661
GI	none	Score	154
Exons	7497..7661, 7497..7661		

Seq. No.	38663	Seq. ID	OJ000207_16.0301.C15
Gene No.	79549	Strand	-
Start	45	End	290
Name	OJ000207_16.0301.C15.o1.gs	Method	GENSCAN
Start	45	End	290
GI	none	Score	.97
Exons	45..111, 279..290		

Seq. No.	38664	Seq. ID	OJ000207_16.0301.C16
Gene No.	79550	Strand	-
Start	428	End	667
Name	OJ000207_16.0301.C16.o1.gp	Method	AAT/GAP
Start	428	End	667
GI	LIB3434-058-P1-K1-G5	Score	468
Exons	428..667		
GI Descrip.	'83635/pir||B26955 3.0e-09 hypothetical protein - yeast (Yarrowia lipolytica) (fragment)'		

Seq. No.	38664	Seq. ID	OJ000207_16.0301.C16
Gene No.	79550	Strand	-
Start	428	End	667
Name	OJ000207_16.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	460	End	666

GI	none	Score	144
Exons	460..663, 486..665, 502..666		

Seq. No.	38664	Seq. ID	OJ000207_16.0301.C16
Gene No.	79550	Strand	-
Start	428	End	667
Name	OJ000207_16.0301.C16.o1.tc	Method	TBLASTX:Cress
Start	489	End	665
GI	none	Score	101
Exons	489..665, 564..662		

Seq. No.	38664	Seq. ID	OJ000207_16.0301.C16
Gene No.	79550	Strand	-
Start	428	End	667
Name	OJ000207_16.0301.C16.o1.np	Method	AAT/NAP
Start	498	End	667
GI	6553916	Score	190
Exons	498..667		
GI Descrip.	(AC012329) putative GTPase activator protein of Rab-like small GTPases [Arabidopsis thaliana] gi|6723405|emb|CAB66414.1| (AL132956) GTPase activating-like protein [Arabidopsis thaliana]		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79551	Strand	-
Start	1	End	1272
Name	OJ000207_08.0302.C2.o1.gp	Method	AAT/GAP
Start	1	End	1272
GI	none	Score	1603
Exons	1..483, 909..1272		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79551	Strand	-
Start	1	End	1272
Name	OJ000207_08.0302.C2.o1.gs	Method	GENSCAN
Start	61	End	1106
GI	none	Score	1
Exons	61..483, 909..1106		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79552	Strand	-
Start	3966	End	6255
Name	OJ000207_08.0302.C2.o2.gp	Method	AAT/GAP
Start	3776	End	4732
GI	3137_1.R1084	Score	1388
Exons	3776..4283, 4407..4526, 4645..4732		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 9.0e-25 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79552	Strand	-
Start	3966	End	6255
Name	OJ000207_08.0302.C2.o2.gs	Method	GENSCAN
Start	3966	End	6219
GI	none	Score	.98
Exons	3966..4283, 4407..4526, 4645..4753, 4906..4987, 5161..5368, 5480..5506, 5602..5784, 5869..6000, 6079..6219		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79552	Strand	-
Start	3966	End	6255
Name	OJ000207_08.0302.C2.o3.gp	Method	AAT/GAP
Start	5476	End	6255
GI	29681_1.R1084	Score	938
Exons	5476..5506, 5602..5784, 5869..6000, 6079..6255		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 7.0e-21 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79553	Strand	-
Start	6634	End	10903
Name	OJ000207_08.0302.C2.o4.gp	Method	AAT/GAP
Start	6422	End	6765
GI	3761205	Score	604
Exons	6422..6765		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79553	Strand	-
Start	6634	End	10903
Name	OJ000207_08.0302.C2.o3.gs	Method	GENSCAN
Start	6634	End	10903
GI	none	Score	.88
Exons	6634..6795, 6876..7022, 7094..7210, 7358..7466, 7609..7690, 8093..8300, 8405..8431, 8509..8679, 8779..8910, 8996..9157, 10901..10903		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79553	Strand	-
Start	6634	End	10903
Name	OJ000207_08.0302.C2.o1.np	Method	AAT/NAP
Start	6691	End	9190
GI	5902387	Score	698
Exons	6691..6976, 7057..7210, 7358..7466, 7609..7690, 8093..8300, 8488..8679, 8779..8910, 8996..9190		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79553	Strand	-
Start	6634	End	10903
Name	OJ000207_08.0302.C2.o5.gp	Method	AAT/GAP
Start	8086	End	8696
GI	LIB3434-005-P1-K1-B7	Score	753
Exons	8086..8300, 8405..8431, 8509..8696		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 8.0e-31 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79553	Strand	-
Start	6634	End	10903
Name	OJ000207_08.0302.C2.o6.gp	Method	AAT/GAP
Start	9064	End	9442
GI	none	Score	754
Exons	9064..9442		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2

Gene No.	79554	Strand	-
Start	11611	End	11945
Name	OJ000207_08.0302.C2.o4.gs	Method	GENSCAN
Start	11611	End	11945
GI	none	Score	.63
Exons	11611..11710, 11818..11945		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79554	Strand	-
Start	11611	End	11945
Name	OJ000207_08.0302.C2.o2.np	Method	AAT/NAP
Start	11642	End	11945
GI	5103838	Score	113
Exons	11642..11945		
GI Descrip.	(AC007591) ESTs gb|H37295 and gb|R64895 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79555	Strand	-
Start	13874	End	14705
Name	OJ000207_08.0302.C2.o1.tm	Method	TBLASTX:Maize
Start	4666	End	8303
GI	none	Score	94
Exons	4666..4758, 4902..4988, 4906..4974, 5159..5389, 5160..5369, 5162..5371, 7379..7468, 7380..7469, 7381..7491, 7580..7672, 7580..7672, 7605..7691, 7609..7692, 8079..8303, 8092..8301		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79555	Strand	-
Start	13874	End	14705
Name	OJ000207_08.0302.C2.o7.gp	Method	AAT/GAP
Start	13824	End	14389
GI	none	Score	1050
Exons	13824..14389		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79555	Strand	-
Start	13874	End	14705
Name	OJ000207_08.0302.C2.o5.gs	Method	GENSCAN
Start	13874	End	14565
GI	none	Score	.87
Exons	13874..13942, 14511..14565		

Seq. No.	38665	Seq. ID	OJ000207_08.0302.C2
Gene No.	79555	Strand	-
Start	13874	End	14705
Name	OJ000207_08.0302.C2.o2.tm	Method	TBLASTX:Maize
Start	14181	End	14705
GI	none	Score	46
Exons	14181..14225, 14257..14304, 14265..14309, 14269..14391, 14277..14390, 14308..14391, 14310..14438, 14505..14564, 14510..14569, 14511..14567, 14644..14697, 14652..14705, 14656..14697		

Seq. No.	38666	Seq. ID	OJ000207_08.0302.C3
Gene No.	79556	Strand	-
Start	1	End	3976

Name	OJ000207_08.0302.C3.o1.np	Method	AAT/NAP
Start	1	End	3704
GI	5902374	Score	286
Exons	1..105, 273..457, 2268..2453, 2559..2644, 3194..3275, 3615..3704		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38666	Seq. ID	OJ000207_08.0302.C3
Gene No.	79556	Strand	-
Start	1	End	3976
Name	OJ000207_08.0302.C3.o1.gs	Method	GENSCAN
Start	260	End	3976
GI	none	Score	.44
Exons	260..466, 2268..2453, 2559..2697, 3245..3459, 3534..3653, 3693..3976		

Seq. No.	38666	Seq. ID	OJ000207_08.0302.C3
Gene No.	79556	Strand	-
Start	1	End	3976
Name	OJ000207_08.0302.C3.o1.gp	Method	AAT/GAP
Start	291	End	2334
GI	uC-osrocyp036b09b1	Score	437
Exons	291..466, 2268..2334		
GI Descrip.	'5902374/gb|AAD55476.1|AC009322_16 4.0e-16 (AC009322) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38666	Seq. ID	OJ000207_08.0302.C3
Gene No.	79556	Strand	-
Start	1	End	3976
Name	OJ000207_08.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	2404	End	3732
GI	none	Score	74
Exons	2404..2454, 2404..2454, 2405..2455, 2552..2644, 2553..2645, 2556..2645, 2557..2646, 3189..3269, 3191..3283, 3192..3269, 3385..3531, 3452..3532, 3609..3725, 3619..3732		

Seq. No.	38666	Seq. ID	OJ000207_08.0302.C3
Gene No.	79556	Strand	-
Start	1	End	3976
Name	OJ000207_08.0302.C3.o2.gp	Method	AAT/GAP
Start	3190	End	3814
GI	76522_1.R1084	Score	766
Exons	3190..3279, 3386..3510, 3615..3814		
GI Descrip.	'461033/bbs|142242 2.0e-14 (S68015) c6.1A [human, Peptide, 324 aa] [Homo sapiens]'		

Seq. No.	38667	Seq. ID	OJ000207_08.0302.C4
Gene No.	79557	Strand	-
Start	1403	End	4612
Name	OJ000207_08.0302.C4.o1.gp	Method	AAT/GAP
Start	1138	End	2390
GI	271_1.R1084	Score	1842
Exons	1138..1558, 1770..2156, 2249..2390		
GI Descrip.	'1486503 2.0e-72 (U57641) LEA-like protein [Oryza sativa]'		

Seq. No.	38667	Seq. ID	OJ000207_08.0302.C4
Gene No.	79557	Strand	-
Start	1403	End	4612

Name	OJ000207_08.0302.C4.o1.gs	Method	GENSCAN
Start	1403	End	4612
GI	none	Score	.61
Exons	1403..1558, 1770..2156, 2249..2318, 2541..2589, 2692..2987, 3221..3245, 3475..3517, 3669..3745, 4582..4612		

Seq. No.	38667	Seq. ID	OJ000207_08.0302.C4
Gene No.	79557	Strand	-
Start	1403	End	4612
Name	OJ000207_08.0302.C4.o1.np	Method	AAT/NAP
Start	1406	End	2308
GI	1486503	Score	918
Exons	1406..1558, 1770..2156, 2249..2308		
GI Descrip.	(U57641) LEA-like protein [Oryza sativa]		

Seq. No.	38667	Seq. ID	OJ000207_08.0302.C4
Gene No.	79557	Strand	-
Start	1403	End	4612
Name	OJ000207_08.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	1795	End	2327
GI	none	Score	90
Exons	1795..1923, 1849..1908, 1926..2168, 2134..2178, 2240..2311, 2241..2327		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79558	Strand	+
Start	5585	End	11506
Name	OJ000207_08.0302.C5.o3.gs	Method	GENSCAN
Start	5585	End	11506
GI	none	Score	.63
Exons	5585..5587, 6419..6626, 6772..6951, 7116..7276, 7317..7370, 7649..7731, 7919..8186, 8282..8335, 8790..8938, 9035..9152, 9705..9792, 9878..10059, 10742..10867, 11186..11506		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79558	Strand	+
Start	5585	End	11506
Name	OJ000207_08.0302.C5.o1.gp	Method	AAT/GAP
Start	6690	End	7751
GI	none	Score	994
Exons	6690..6951, 7081..7276, 7649..7751		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79558	Strand	+
Start	5585	End	11506
Name	OJ000207_08.0302.C5.o2.gp	Method	AAT/GAP
Start	9871	End	10315
GI	none	Score	890
Exons	9871..10315		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79559	Strand	+
Start	13019	End	21178
Name	OJ000207_08.0302.C5.o4.gp	Method	AAT/GAP
Start	13019	End	16189
GI	none	Score	1287
Exons	13019..13177, 15075..15157, 15733..16189		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79559	Strand	+
Start	13019	End	21178
Name	OJ000207_08.0302.C5.o5.gs	Method	GENSCAN
Start	13799	End	21000
GI	none	Score	.4
Exons	13799..13869, 15977..16115, 16174..16578, 18909..18969, 19439..19618, 19722..19888, 20872..21000		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79559	Strand	+
Start	13019	End	21178
Name	OJ000207_08.0302.C5.o5.gp	Method	AAT/GAP
Start	18875	End	21178
GI	16969_1.R1084	Score	1290
Exons	18875..18969, 19461..19618, 19722..19888, 20872..21178		
GI Descrip.	'3687251 3.0e-48 (AC005169) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79559	Strand	+
Start	13019	End	21178
Name	OJ000207_08.0302.C5.o1.np	Method	AAT/NAP
Start	19471	End	20988
GI	3687251	Score	451
Exons	19471..19618, 19722..19888, 20872..20988		
GI Descrip.	(AC005169) putative ribosomal protein L28 [Arabidopsis thaliana]		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79560	Strand	-
Start	1705	End	3981
Name	OJ000207_08.0302.C5.o2.gs	Method	GENSCAN
Start	1705	End	3981
GI	none	Score	.61
Exons	1705..1925, 2434..2501, 3541..3719, 3827..3893, 3899..3981		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79561	Strand	-
Start	11896	End	13100
Name	OJ000207_08.0302.C5.o4.gs	Method	GENSCAN
Start	11896	End	13100
GI	none	Score	.81
Exons	11896..12038, 12563..12696, 12787..13100		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79561	Strand	-
Start	11896	End	13100
Name	OJ000207_08.0302.C5.o3.gp	Method	AAT/GAP
Start	12244	End	12745
GI	none	Score	754
Exons	12244..12477, 12563..12745		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o2.tm	Method	TBLASTX:Maize

Start	6839	End	9965
GI	none	Score	177
Exons	6839..6895, 6840..6959, 6926..6952, 7079..7117, 7080..7145, 7080..7127, 7206..7277, 7211..7276, 7644..7733, 7645..7734, 7649..7735, 7650..7754, 7871..7984, 7875..8006, 8088..8186, 8093..8188, 8093..8191, 8275..8346, 8279..8347, 8784..8939, 8786..8941, 8786..8938, 8787..8939, 9032..9163, 9033..9158, 9034..9168, 9702..9791, 9702..9785, 9704..9790, 9873..9965, 9874..9963		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o2.tc	Method	TBLASTX:Cress
Start	6843	End	7988
GI	none	Score	37
Exons	6843..6884, 6894..6959, 7079..7120, 7080..7145, 7206..7277, 7211..7267, 7650..7739, 7875..7961, 7956..7988		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	8102	End	9791
GI	none	Score	106
Exons	8102..8179, 8106..8207, 8279..8380, 8281..8328, 8784..8939, 8792..8938, 9030..9137, 9032..9157, 9033..9158, 9702..9791		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	19459	End	21061
GI	none	Score	245
Exons	19459..19620, 19459..19569, 19461..19619, 19693..19890, 19720..19890, 19721..19891, 20869..20985, 20870..20983, 21005..21061, 21007..21060		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	19459	End	21072
GI	none	Score	185
Exons	19459..19569, 19470..19619, 19470..19619, 19471..19620, 19720..19890, 19721..19891, 20869..20985, 20869..20985, 20870..20989, 20927..20989, 21046..21072		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o2.ts	Method	TBLASTX:Soybean
Start	19462	End	20997
GI	none	Score	186
Exons	19462..19620, 19470..19619, 19720..19761, 19721..19831, 19766..19891, 19774..19890, 20869..20997, 20869..20985, 20910..20996		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	19467	End	20985
GI	none	Score	224
Exons	19467..19619, 19468..19620, 19470..19622, 19720..19800, 19721..19807, 19762..19896, 19766..19894, 20863..20985, 20869..20985		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o6.gs	Method	GENSCAN
Start	21829	End	23011
GI	none	Score	.87
Exons	21829..22230, 22654..22881, 23009..23011		

Seq. No.	38668	Seq. ID	OJ000207_08.0302.C5
Gene No.	79562	Strand	-
Start	21829	End	23011
Name	OJ000207_08.0302.C5.o2.np	Method	AAT/NAP
Start	21916	End	22875
GI	5903093	Score	386
Exons	21916..22230, 22654..22875		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79563	Strand	+
Start	5342	End	7839
Name	OJ000207_08.0302.C7.o2.gs	Method	GENSCAN
Start	5342	End	7658
GI	none	Score	.75
Exons	5342..5473, 5504..5747, 5807..5928, 5974..6150, 6239..6342, 6920..7027, 7134..7230, 7321..7418, 7517..7658		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79563	Strand	+
Start	5342	End	7839
Name	OJ000207_08.0302.C7.o2.np	Method	AAT/NAP
Start	5345	End	7839
GI	2462748	Score	1451
Exons	5345..5473, 5555..5704, 5807..5869, 5974..6150, 6239..6342, 6920..7027, 7134..7230, 7321..7418, 7517..7658, 7749..7839		
GI Descrip.	(AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79563	Strand	+
Start	5342	End	7839
Name	OJ000207_08.0302.C7.o3.gp	Method	AAT/GAP
Start	7203	End	7700
GI	uC-osflcyp179h05b1	Score	456
Exons	7203..7230, 7321..7418, 7517..7700		
GI Descrip.	'2462748 4.0e-51 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79563	Strand	+
Start	5342	End	7839
Name	OJ000207_08.0302.C7.o4.gp	Method	AAT/GAP
Start	7301	End	7798
GI	uC-osflcyp179h05b1	Score	520
Exons	7301..7418, 7517..7658, 7749..7798		
GI Descrip.	'2462748 4.0e-51 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	4680192	Score	2006
Exons	1..1483		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o1.tm	Method	TBLASTX:Maize
Start	280	End	1508
GI	none	Score	571
Exons	280..1095, 281..739, 281..1468, 285..971, 424..1095, 779..1468, 1020..1508		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o1.gp	Method	AAT/GAP
Start	281	End	577
GI	LIB3433-021-P1-K1-A1	Score	514
Exons	281..577		
GI Descrip.	'4680192/gb|AAD27557.1|AF111710_3 8.0e-79 (AF111710) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o1.gs	Method	GENSCAN
Start	323	End	1483
GI	none	Score	.87
Exons	323..1483		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o1.ts	Method	TBLASTX:Soybean
Start	401	End	817
GI	none	Score	209
Exons	401..739, 401..817, 438..812		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-

Start	1	End	2505
Name	OJ000207_08.0302.C7.o5.ts	Method	TBLASTX:Soybean
Start	818	End	979
GI	none	Score	118
Exons	818..979, 822..971		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o3.tc	Method	TBLASTX:Cress
Start	888	End	1243
GI	none	Score	58
Exons	888..956, 890..1156, 890..1117, 1148..1243, 1149..1238		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o3.ts	Method	TBLASTX:Soybean
Start	1058	End	1469
GI	none	Score	196
Exons	1058..1441, 1061..1459, 1221..1469, 1278..1448		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79564	Strand	-
Start	1	End	2505
Name	OJ000207_08.0302.C7.o2.gp	Method	AAT/GAP
Start	1146	End	2505
GI	47468_1.R1084	Score	856
Exons	1146..1508, 2367..2505		
GI Descrip.	'4680192/gb|AAD27557.1|AF111710_3 1.0e-49 (AF111710) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o3.tm	Method	TBLASTX:Maize
Start	5060	End	5617
GI	none	Score	192
Exons	5060..5143, 5140..5181, 5294..5323, 5329..5472, 5357..5473, 5521..5616, 5543..5617, 5552..5617		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o1.tc	Method	TBLASTX:Cress
Start	5347	End	6000
GI	none	Score	180
Exons	5347..5472, 5360..5473, 5590..5706, 5591..5710, 5807..5869, 5814..5861, 5967..5999, 5974..6000		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o4.ts	Method	TBLASTX:Soybean
Start	5347	End	5710
GI	none	Score	176
Exons	5347..5466, 5360..5473, 5552..5593, 5581..5709, 5591..5710		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o2.tm	Method	TBLASTX:Maize
Start	5618	End	7838
GI	none	Score	146
Exons	5618..5710, 5620..5709, 5807..5869, 5814..5867, 5935..6153, 5967..6155, 5974..6153, 6236..6340, 6243..6332, 6911..7030, 6918..7070, 6918..7028, 6919..7071, 7126..7263, 7133..7231, 7134..7265, 7304..7414, 7306..7413, 7318..7416, 7514..7660, 7515..7658, 7516..7659, 7748..7837, 7748..7837, 7749..7838		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o2.ts	Method	TBLASTX:Soybean
Start	5819	End	7786
GI	none	Score	85
Exons	5819..5869, 5935..6153, 5957..6151, 5967..6155, 5974..6153, 6236..6340, 6236..6331, 6917..7021, 6918..7070, 6918..7064, 7126..7263, 7134..7241, 7317..7391, 7318..7416, 7514..7660, 7515..7658, 7579..7665, 7580..7660, 7748..7786, 7749..7784		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o2.tc	Method	TBLASTX:Cress
Start	7321	End	7838
GI	none	Score	128
Exons	7321..7416, 7330..7413, 7514..7660, 7515..7658, 7748..7837, 7749..7838		

Seq. No.	38669	Seq. ID	OJ000207_08.0302.C7
Gene No.	79565	Strand	
Start	5060	End	7838
Name	OJ000207_08.0302.C7.o1.tw	Method	TBLASTX:Wheat
Start	7517	End	7838
GI	none	Score	232
Exons	7517..7660, 7518..7658, 7523..7660, 7564..7665, 7748..7837, 7749..7838		

Seq. No.	38670	Seq. ID	OJ000207_08.0302.C8
Gene No.	79566	Strand	+
Start	413	End	2414
Name	OJ000207_08.0302.C8.o1.gs	Method	GENSCAN
Start	413	End	2414
GI	none	Score	.8
Exons	413..467, 563..597, 1847..1979, 2089..2185, 2231..2414		

Seq. No.	38670	Seq. ID	OJ000207_08.0302.C8
Gene No.	79566	Strand	+
Start	413	End	2414
Name	OJ000207_08.0302.C8.o1.gp	Method	AAT/GAP
Start	1149	End	1693
GI	none	Score	869
Exons	1149..1200, 1292..1693		

Seq. No.	38670	Seq. ID	OJ000207_08.0302.C8
Gene No.	79567	Strand	+
Start	6880	End	7110
Name	OJ000207_08.0302.C8.o3.gp	Method	AAT/GAP
Start	6880	End	7110
GI	8022_1.R1084	Score	302
Exons	6880..7110		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	38670	Seq. ID	OJ000207_08.0302.C8
Gene No.	79568	Strand	-
Start	3254	End	4505
Name	OJ000207_08.0302.C8.o2.gs	Method	GENSCAN
Start	3254	End	4384
GI	none	Score	1
Exons	3254..4384		

Seq. No.	38670	Seq. ID	OJ000207_08.0302.C8
Gene No.	79568	Strand	-
Start	3254	End	4505
Name	OJ000207_08.0302.C8.o2.gp	Method	AAT/GAP
Start	4080	End	4505
GI	1631486	Score	756
Exons	4080..4505		

Seq. No.	38671	Seq. ID	OJ000207_08.0302.C9
Gene No.	79569	Strand	+
Start	129	End	4242
Name	OJ000207_08.0302.C9.o1.gs	Method	GENSCAN
Start	129	End	4242
GI	none	Score	.49
Exons	129..407, 546..728, 2936..3069, 3486..3533, 4095..4242		

Seq. No.	38671	Seq. ID	OJ000207_08.0302.C9
Gene No.	79569	Strand	+
Start	129	End	4242
Name	OJ000207_08.0302.C9.o1.np	Method	AAT/NAP
Start	129	End	2634
GI	3075399	Score	497
Exons	129..407, 501..728, 1862..1981, 2062..2634		
GI Descrip.	(AC004484) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]		

Seq. No.	38671	Seq. ID	OJ000207_08.0302.C9
Gene No.	79569	Strand	+
Start	129	End	4242
Name	OJ000207_08.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	1860	End	2307
GI	none	Score	163
Exons	1860..1973, 1862..1975, 1862..2035, 1863..2012, 2061..2306, 2070..2210, 2110..2307		

Seq. No.	38671	Seq. ID	OJ000207_08.0302.C9
Gene No.	79569	Strand	+
Start	129	End	4242

Name	OJ000207_08.0302.C9.o2.gp	Method	AAT/GAP
Start	1864	End	2416
GI	LIB3434-028-P1-K1-G10	Score	859
Exons	1864..1975, 2062..2416		
GI Descrip.	'3413697 8.0e-11 (AC004747) SF16-like protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79570	Strand	+
Start	1	End	2591
Name	OJ000207_08.0302.C10.o1.np	Method	AAT/NAP
Start	1	End	2591
GI	4455345	Score	414
Exons	1..90, 198..366, 1073..1172, 1301..1371, 1486..1633, 2557..2591		
GI Descrip.	(AL035522) putative protein [Arabidopsis thaliana]		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79570	Strand	+
Start	1	End	2591
Name	OJ000207_08.0302.C10.o1.gs	Method	GENSCAN
Start	238	End	1806
GI	none	Score	79
Exons	238..335, 503..581, 1073..1172, 1301..1371, 1486..1629, 1711..1806		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79570	Strand	+
Start	1	End	2591
Name	OJ000207_08.0302.C10.o1.gp	Method	AAT/GAP
Start	1554	End	2071
GI	none	Score	814
Exons	1554..1627, 1708..2071		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79571	Strand	-
Start	2261	End	2502
Name	OJ000207_08.0302.C10.o1.tm	Method	TBLASTX:Maize
Start	238	End	1815
GI	none	Score	128
Exons	238..342, 238..336, 1070..1174, 1070..1168, 1072..1173, 1263..1373, 1300..1371, 1312..1389, 1480..1629, 1481..1627, 1486..1629, 1698..1775, 1708..1815, 1710..1781		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79571	Strand	-
Start	2261	End	2502
Name	OJ000207_08.0302.C10.o1.ts	Method	TBLASTX:Soybean
Start	253	End	1773
GI	none	Score	111
Exons	253..342, 1070..1174, 1072..1173, 1303..1362, 1305..1367, 1312..1389, 1481..1513, 1482..1514, 1486..1518, 1522..1629, 1557..1628, 1708..1773		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79571	Strand	-
Start	2261	End	2502
Name	OJ000207_08.0302.C10.o1.tc	Method	TBLASTX:Cress

Start	1312	End	1629
GI	none	Score	99
Exons	1312..1389, 1486..1629		

Seq. No.	38672	Seq. ID	OJ000207_08.0302.C10
Gene No.	79571	Strand	-
Start	2261	End	2502
Name	OJ000207_08.0302.C10.o2.gs	Method	GENSCAN
Start	2261	End	2502
GI	none	Score	.7
Exons	2261..2502		

Seq. No.	38673	Seq. ID	OJ000207_08.0302.C11
Gene No.	79572	Strand	+
Start	189	End	375
Name	OJ000207_08.0302.C11.o1.gs	Method	GENSCAN
Start	189	End	375
GI	none	Score	.92
Exons	189..375		

Seq. No.	38673	Seq. ID	OJ000207_08.0302.C11
Gene No.	79573	Strand	+
Start	4606	End	4918
Name	OJ000207_08.0302.C11.o1.gp	Method	AAT/GAP
Start	4606	End	4918
GI	77434_1.R1084	Score	100
Exons	4606..4627, 4865..4918		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	38673	Seq. ID	OJ000207_08.0302.C11
Gene No.	79574	Strand	+
Start	8279	End	8779
Name	OJ000207_08.0302.C11.o3.gs	Method	GENSCAN
Start	8279	End	8779
GI	none	Score	.52
Exons	8279..8779		

Seq. No.	38673	Seq. ID	OJ000207_08.0302.C11
Gene No.	79575	Strand	-
Start	3201	End	5616
Name	OJ000207_08.0302.C11.o2.gs	Method	GENSCAN
Start	3201	End	5616
GI	none	Score	.46
Exons	3201..3344, 4267..4318, 5453..5616		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79576	Strand	+
Start	1	End	476
Name	OJ000207_08.0302.C12.o1.np	Method	AAT/NAP
Start	1	End	461
GI	6523044	Score	253
Exons	1..56, 93..461		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79576	Strand	+

Start	1	End	476
Name	OJ000207_08.0302.C12.o1.gs	Method	GENSCAN
Start	15	End	476
GI	none	Score	.62
Exons	15..476		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79577	Strand	+
Start	4611	End	6061
Name	OJ000207_08.0302.C12.o2.gs	Method	GENSCAN
Start	4611	End	6061
GI	none	Score	.63
Exons	4611..5395, 5455..6061		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79578	Strand	+
Start	12034	End	16028
Name	OJ000207_08.0302.C12.o4.gs	Method	GENSCAN
Start	12034	End	15646
GI	none	Score	.82
Exons	12034..12308, 13935..14244, 15410..15487, 15596..15646		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79578	Strand	+
Start	12034	End	16028
Name	OJ000207_08.0302.C12.o2.np	Method	AAT/NAP
Start	12097	End	15643
GI	6006854	Score	250
Exons	12097..12222, 13915..14238, 15329..15487, 15593..15643		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79578	Strand	+
Start	12034	End	16028
Name	OJ000207_08.0302.C12.o1.gp	Method	AAT/GAP
Start	12237	End	16028
GI	47276_1.R1084	Score	1630
Exons	12237..12308, 13935..14244, 15410..15487, 15596..16028		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-22 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79579	Strand	-
Start	7471	End	10488
Name	OJ000207_08.0302.C12.o1.tw	Method	TBLASTX:Wheat
Start	5687	End	8737
GI	none	Score	190
Exons	5687..5902, 5692..5811, 5762..5911, 8605..8712, 8611..8694, 8624..8737		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79579	Strand	-
Start	7471	End	10488
Name	OJ000207_08.0302.C12.o3.gs	Method	GENSCAN
Start	7471	End	10488
GI	none	Score	.64
Exons	7471..7523, 8382..10235, 10470..10488		

Seq. No.	38674	Seq. ID	OJ000207_08.0302.C12
Gene No.	79580	Strand	
Start	14049	End	15646
Name	OJ000207_08.0302.C12.o1.tm	Method	TBLASTX:Maize
Start	14049	End	15646
GI	none	Score	95
Exons	14049..14243, 14050..14232, 14071..14244, 14076..14240, 15412..15486, 15413..15469, 15593..15646, 15595..15645		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79581	Strand	+
Start	51	End	1724
Name	OJ000207_08.0302.C13.o1.gs	Method	GENSCAN
Start	51	End	1724
GI	none	Score	.58
Exons	51..603, 895..1724		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79581	Strand	+
Start	51	End	1724
Name	OJ000207_08.0302.C13.o1.gp	Method	AAT/GAP
Start	634	End	1019
GI	none	Score	752
Exons	634..1019		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79582	Strand	+
Start	18622	End	19002
Name	OJ000207_08.0302.C13.o6.gs	Method	GENSCAN
Start	18622	End	19002
GI	none	Score	.46
Exons	18622..19002		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79583	Strand	-
Start	1596	End	1939
Name	OJ000207_08.0302.C13.o2.gp	Method	AAT/GAP
Start	1596	End	1939
GI	none	Score	660
Exons	1596..1939		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79584	Strand	-
Start	2070	End	7618
Name	OJ000207_08.0302.C13.o2.gs	Method	GENSCAN
Start	2070	End	6286
GI	none	Score	.84
Exons	2070..2684, 2729..3602, 4599..4645, 4859..4967, 5196..5277, 5391..5475, 5547..5666, 5962..6027, 6221..6286		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79584	Strand	-
Start	2070	End	7618
Name	OJ000207_08.0302.C13.o3.gp	Method	AAT/GAP
Start	3703	End	5592
GI	18981_1.R1084	Score	1249

Exons	3703..3944, 4440..4494, 4599..4645, 4725..4781, 4859..4967, 5196..5277, 5391..5475, 5547..5592		
GI Descrip.	'3047083 2.0e-55 (AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]'		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79584	Strand	-
Start	2070	End	7618
Name	OJ000207_08.0302.C13.o1.np	Method	AAT/NAP
Start	4713	End	7415
GI	3047083	Score	947
Exons	4713..4781, 4859..4967, 5196..5277, 5391..5475, 5547..5666, 5747..5797, 5962..6027, 6221..6290, 6504..6583, 6658..6750, 7167..7415		
GI Descrip.	(AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79584	Strand	-
Start	2070	End	7618
Name	OJ000207_08.0302.C13.o4.gp	Method	AAT/GAP
Start	6203	End	7618
GI	34308_1_R1084	Score	774
Exons	6203..6268, 6375..6419, 6528..6583, 6658..6717, 6799..6857, 7287..7403, 7539..7618		
GI Descrip.	'2924773 3.0e-28 (AC002334) putative mitochondrial chaperonin HSP60 precursor [Arabidopsis thaliana]'		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79585	Strand	-
Start	9440	End	13729
Name	OJ000207_08.0302.C13.o5.gp	Method	AAT/GAP
Start	9435	End	10103
GI	286778	Score	597
Exons	9435..9545, 9634..9712, 9878..9983, 10066..10103		
GI Descrip.	2924773 3.0e-28 (AC002334) putative mitochondrial chaperonin HSP60 precursor [Arabidopsis thaliana]		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79585	Strand	-
Start	9440	End	13729
Name	OJ000207_08.0302.C13.o4.gs	Method	GENSCAN
Start	9440	End	13679
GI	none	Score	.85
Exons	9440..9545, 9634..9712, 9878..9983, 10066..10169, 10291..10390, 10478..10573, 10686..10763, 10825..10893, 10988..11068, 11101..11157, 11238..11327, 11414..11500, 11912..12016, 12121..12216, 12443..12618, 12867..12893, 13068..13227, 13372..13518, 13614..13679		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79585	Strand	-
Start	9440	End	13729
Name	OJ000207_08.0302.C13.o2.np	Method	AAT/NAP
Start	9443	End	13679
GI	2506275	Score	1556
Exons	9443..9545, 9634..9712, 9878..9983, 10066..10169, 10291..10390,		

10478..10573, 10686..10763, 10825..10893, 10988..11068,
11238..11327, 11414..11500, 11912..12016, 12121..12216,
12443..12618, 13068..13227, 13372..13494, 13602..13679

GI Descrip. CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1)

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79585	Strand	-
Start	9440	End	13729
Name	OJ000207_08.0302.C13.o6.gp	Method	AAT/GAP
Start	10361	End	11341
GI	LIB3432-032-P2-K1-D5	Score	785
Exons	10361..10390, 10478..10573, 10686..10763, 10825..10893, 10988..11068, 11238..11341		
GI Descrip.	'461735/sp|Q05045|CH61_CUCMA 2.0e-22 CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1) >gi_478785_pir__S29315 chaperonin 60 - cucurbit >gi_12544_emb_CAA50217_ (X70867) chaperonin 60 [Cucurbita sp.]'		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79585	Strand	-
Start	9440	End	13729
Name	OJ000207_08.0302.C13.o7.gp	Method	AAT/GAP
Start	13137	End	13729
GI	2431137	Score	578
Exons	13137..13227, 13372..13518, 13618..13729		
GI Descrip.	2506275/sp|P29185|CH61_MAIZE 3.0e-13 MITOCHONDRIAL CHAPERONIN HSP60-1 PRECURSOR		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79586	Strand	-
Start	14853	End	18541
Name	OJ000207_08.0302.C13.o3.np	Method	AAT/NAP
Start	14751	End	18541
GI	461736	Score	87
Exons	14751..14785, 17171..17338, 18503..18541		
GI Descrip.	CHAPERONIN CPN60-2, MITOCHONDRIAL PRECURSOR (HSP60-2) gi|478786|pir||S29316 chaperonin 60 - cucurbit gi|12546|emb|CAA50218| (X70868) chaperonin 60 [Cucurbita sp.]		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79586	Strand	-
Start	14853	End	18541
Name	OJ000207_08.0302.C13.o5.gs	Method	GENSCAN
Start	14853	End	16484
GI	none	Score	.98
Exons	14853..16484		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79586	Strand	-
Start	14853	End	18541
Name	OJ000207_08.0302.C13.o8.gp	Method	AAT/GAP
Start	17168	End	17286
GI	3106516	Score	176
Exons	17168..17286		
GI Descrip.	461735/sp|Q05045|CH61_CUCMA 2.0e-22 CHAPERONIN CPN60-1, MITOCHONDRIAL PRECURSOR (HSP60-1) >gi_478785_pir__S29315 chaperonin 60 - cucurbit >gi_12544_emb_CAA50217_ (X70867)		

chaperonin 60 [Cucurbita sp.]

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o2.ts	Method	TBLASTX:Soybean
Start	69	End	622
GI	none	Score	678
Exons	69..620, 101..622, 494..622		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o1.tm	Method	TBLASTX:Maize
Start	116	End	941
GI	none	Score	1171
Exons	116..874, 117..875, 615..887, 869..937, 888..938, 894..941		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o1.ts	Method	TBLASTX:Soybean
Start	765	End	1579
GI	none	Score	836
Exons	765..1535, 873..1097, 932..1534, 1155..1535, 1524..1577, 1529..1579		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o2.tm	Method	TBLASTX:Maize
Start	941	End	1385
GI	none	Score	736
Exons	941..1384, 942..1385, 942..1385		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o4.tm	Method	TBLASTX:Maize
Start	1388	End	1741
GI	none	Score	545
Exons	1388..1741, 1395..1739		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o2.tw	Method	TBLASTX:Wheat
Start	2431	End	20249
GI	none	Score	55
Exons	2431..2538, 2433..2471, 2452..2631, 2466..2675, 2469..2693, 2711..2743, 15144..15359, 15235..15351, 18514..18609, 18596..18787, 18622..18810, 18627..18821, 18628..18807, 20009..20248, 20087..20185, 20100..20249		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406

Name	OJ000207_08.0302.C13.o6.tm	Method	TBLASTX:Maize
Start	2953	End	8768
GI	none	Score	131
Exons	2953..3069, 7942..8034, 7942..8055, 7964..8125, 8599..8739, 8603..8749, 8607..8768, 8607..8741, 8657..8767		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o5.tm	Method	TBLASTX:Maize
Start	4438	End	5643
GI	none	Score	65
Exons	4438..4497, 4440..4496, 4593..4658, 4598..4645, 4722..4784, 4723..4782, 4847..4969, 4860..4970, 4860..4970, 4861..4971, 5185..5265, 5190..5279, 5195..5293, 5196..5279, 5197..5280, 5385..5477, 5386..5478, 5386..5484, 5544..5636, 5545..5643		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o5.ts	Method	TBLASTX:Soybean
Start	5584	End	7403
GI	none	Score	95
Exons	5584..5670, 5586..5651, 5962..6030, 5963..6028, 6532..6582, 6548..6583, 6655..6720, 6657..6719, 6799..6858, 6801..6857, 7284..7403, 7288..7398		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o8.tm	Method	TBLASTX:Maize
Start	5960	End	7404
GI	none	Score	98
Exons	5960..6028, 5962..6030, 5963..6028, 6212..6292, 6213..6293, 6213..6293, 6220..6294, 6392..6418, 6396..6419, 6527..6556, 6529..6615, 6532..6582, 6654..6722, 6655..6717, 6657..6719, 6658..6747, 6799..6858, 6801..6857, 7284..7403, 7288..7398, 7288..7404		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o2.tc	Method	TBLASTX:Cress
Start	6532	End	7403
GI	none	Score	37
Exons	6532..6582, 6557..6580, 6657..6719, 6658..6720, 6799..6858, 6801..6857, 7284..7403, 7288..7398		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o1.tw	Method	TBLASTX:Wheat
Start	8619	End	8781
GI	none	Score	207
Exons	8619..8741, 8626..8781		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13

Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o3.tm	Method	TBLASTX:Maize
Start	9435	End	12151
GI	none	Score	103
Exons	9435..9548, 9440..9547, 9625..9714, 9636..9713, 9859..10005, 9871..9984, 9876..10004, 10064..10192, 10065..10184, 10268..10417, 10272..10337, 10289..10396, 10333..10410, 10475..10576, 10479..10577, 10479..10577, 10486..10596, 10687..10764, 10688..10765, 10813..10896, 10815..10895, 10824..10904, 10831..10896, 10970..11068, 10972..11079, 10983..11066, 10984..11067, 11217..11333, 11218..11334, 11414..11500, 11414..11500, 11901..12017, 11912..12016, 12119..12151, 12124..12150		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o1.tc	Method	TBLASTX:Cress
Start	9615	End	17261
GI	none	Score	84
Exons	9615..9713, 9634..9717, 9871..9987, 9876..10004, 10066..10170, 10067..10171, 10254..10391, 10268..10417, 10272..10337, 10289..10396, 10333..10416, 10475..10576, 10485..10577, 10683..10766, 10813..10896, 10823..10885, 10953..11063, 10973..11068, 11217..11333, 11414..11500, 11910..12017, 11912..12019, 12124..12225, 12125..12217, 12437..12619, 12438..12620, 13055..13228, 13066..13263, 13066..13227, 13366..13485, 13367..13471, 17167..17259, 17169..17261		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o3.ts	Method	TBLASTX:Soybean
Start	9891	End	10715
GI	none	Score	79
Exons	9891..10004, 9910..10005, 10066..10170, 10072..10170, 10268..10417, 10272..10337, 10289..10396, 10475..10576, 10479..10577, 10683..10715		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o4.ts	Method	TBLASTX:Soybean
Start	10985	End	17261
GI	none	Score	84
Exons	10985..11068, 10988..11071, 11217..11333, 11218..11322, 11414..11500, 11910..12017, 11912..12016, 12121..12225, 12125..12220, 12437..12619, 12438..12620, 13055..13228, 13066..13239, 13066..13227, 13366..13500, 13367..13471, 17163..17258, 17167..17259, 17169..17261		

Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o7.tm	Method	TBLASTX:Maize
Start	12152	End	17337

GI	none	Score	112
Exons	12152..12220, 12152..12220, 12153..12221, 12154..12222, 12154..12225, 12440..12619, 12441..12620, 13055..13228, 13066..13239, 13066..13227, 13088..13228, 13360..13467, 13363..13458, 13367..13468, 17167..17259, 17169..17261, 17287..17337, 17295..17336		
Seq. No.	38675	Seq. ID	OJ000207_08.0302.C13
Gene No.	79587	Strand	-
Start	19718	End	21406
Name	OJ000207_08.0302.C13.o7.gs	Method	GENSCAN
Start	19718	End	21406
GI	none	Score	.93
Exons	19718..21406		
Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o1.gs	Method	GENSCAN
Start	785	End	4274
GI	none	Score	.62
Exons	785..1222, 1502..1561, 1653..1748, 2220..2279, 2363..2419, 2719..2848, 3369..3436, 3531..3623, 3728..3775, 4137..4274		
Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o1.gp	Method	AAT/GAP
Start	1356	End	1775
GI	426286	Score	547
Exons	1356..1561, 1653..1775		
GI Descrip.	2275199 1.0e-12 (AC002337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o1.np	Method	AAT/NAP
Start	1439	End	4775
GI	2275199	Score	602
Exons	1439..1561, 1653..1745, 2074..2139, 2220..2279, 2363..2419, 2719..2848, 3369..3623, 3728..3787, 4137..4330, 4711..4775		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o1.tm	Method	TBLASTX:Maize
Start	1447	End	1738
GI	none	Score	170
Exons	1447..1563, 1448..1564, 1650..1733, 1650..1724, 1652..1735, 1652..1738		
Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o1.ts	Method	TBLASTX:Soybean

Start	1447	End	2428
GI	none	Score	83
Exons	1447..1494, 1448..1507, 1501..1563, 1502..1564, 1650..1676, 1652..1672, 1677..1730, 2065..2142, 2073..2144, 2219..2278, 2220..2315, 2360..2428, 2370..2417		

Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o2.tm	Method	TBLASTX:Maize
Start	3391	End	3814
GI	none	Score	71
Exons	3391..3474, 3392..3460, 3528..3623, 3529..3624, 3542..3622, 3720..3773, 3725..3814, 3727..3774		

Seq. No.	38676	Seq. ID	OJ000207_08.0302.C14
Gene No.	79588	Strand	+
Start	785	End	4775
Name	OJ000207_08.0302.C14.o2.gp	Method	AAT/GAP
Start	3398	End	4775
GI	11124_1.R1084	Score	642
Exons	3398..3436, 3531..3623, 3728..3775, 4137..4274, 4731..4775		
GI Descrip.	'2275199 1.0e-42 (AC002337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38677	Seq. ID	OJ000207_08.0302.C15
Gene No.	79589	Strand	+
Start	1	End	705
Name	OJ000207_08.0302.C15.o1.np	Method	AAT/NAP
Start	1	End	705
GI	5902387	Score	249
Exons	1..213, 361..514, 595..705		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		

Seq. No.	38677	Seq. ID	OJ000207_08.0302.C15
Gene No.	79589	Strand	+
Start	1	End	705
Name	OJ000207_08.0302.C15.o1.gs	Method	GENSCAN
Start	46	End	695
GI	none	Score	.73
Exons	46..213, 361..477, 549..695		

Seq. No.	38677	Seq. ID	OJ000207_08.0302.C15
Gene No.	79589	Strand	+
Start	1	End	705
Name	OJ000207_08.0302.C15.o1.tm	Method	TBLASTX:Maize
Start	369	End	704
GI	none	Score	101
Exons	369..476, 369..476, 370..477, 382..477, 600..668, 602..670, 638..703, 641..670, 672..704		

Seq. No.	38678	Seq. ID	OJ000114_21.0216.C2
Gene No.	79590	Strand	+
Start	263	End	324
Name	OJ000114_21.0216.C2.o1.gs	Method	GENSCAN
Start	263	End	324
GI	none	Score	.63

Exons	263..324		
Seq. No.	38678	Seq. ID	OJ000114_21.0216.C2
Gene No.	79591	Strand	-
Start	1	End	568
Name	OJ000114_21.0216.C2.o1.np	Method	AAT/NAP
Start	1	End	510
GI	4544451	Score	108
Exons	1..88, 219..352, 442..510		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		
Seq. No.	38678	Seq. ID	OJ000114_21.0216.C2
Gene No.	79591	Strand	-
Start	1	End	568
Name	OJ000114_21.0216.C2.o1.gp	Method	AAT/GAP
Start	237	End	511
GI	3548958	Score	308
Exons	237..352, 442..511		
GI Descrip.	4544451/gb|AAD22359.1|AC006592_16 1.0e-41 (AC006592) unknown protein [Arabidopsis thaliana]		
Seq. No.	38678	Seq. ID	OJ000114_21.0216.C2
Gene No.	79591	Strand	-
Start	1	End	568
Name	OJ000114_21.0216.C2.o1.tm	Method	TBLASTX:Maize
Start	237	End	568
GI	none	Score	166
Exons	237..374, 238..345, 239..376, 439..510, 440..568, 440..511		
Seq. No.	38679	Seq. ID	OJ000114_21.0216.C3
Gene No.	79592	Strand	-
Start	167	End	721
Name	OJ000114_21.0216.C3.o1.gp	Method	AAT/GAP
Start	167	End	695
GI	13690_1.R1084	Score	918
Exons	167..695		
GI Descrip.	'2352925 1.0e-44 (AF012864) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 2 [Petroselinum crispum]'		
Seq. No.	38679	Seq. ID	OJ000114_21.0216.C3
Gene No.	79592	Strand	-
Start	167	End	721
Name	OJ000114_21.0216.C3.o1.tm	Method	TBLASTX:Maize
Start	359	End	648
GI	none	Score	110
Exons	359..394, 395..490, 396..491, 487..645, 488..646, 516..647, 517..648		
Seq. No.	38679	Seq. ID	OJ000114_21.0216.C3
Gene No.	79592	Strand	-
Start	167	End	721
Name	OJ000114_21.0216.C3.o1.ts	Method	TBLASTX:Soybean
Start	375	End	651
GI	none	Score	105
Exons	375..452, 407..490, 408..491, 485..649, 487..651, 488..649		

Seq. No.	38679	Seq. ID	OJ000114_21.0216.C3
Gene No.	79592	Strand	-
Start	167	End	721
Name	OJ000114_21.0216.C3.o1.np	Method	AAT/NAP
Start	389	End	721
GI	2352925	Score	362
Exons	389..721		
GI Descrip.	(AF012864) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 2 [Petroselinum crispum]		

Seq. No.	38679	Seq. ID	OJ000114_21.0216.C3
Gene No.	79592	Strand	-
Start	167	End	721
Name	OJ000114_21.0216.C3.o1.tc	Method	TBLASTX:Cress
Start	413	End	649
GI	none	Score	73
Exons	413..490, 426..491, 487..648, 488..649		

Seq. No.	38680	Seq. ID	OJ000114_21.0216.C5
Gene No.	79593	Strand	+
Start	372	End	854
Name	OJ000114_21.0216.C5.o1.gs	Method	GENSCAN
Start	372	End	854
GI	none	Score	.56
Exons	372..625, 739..854		

Seq. No.	38681	Seq. ID	OJ000114_21.0216.C6
Gene No.	79594	Strand	+
Start	427	End	4656
Name	OJ000114_21.0216.C6.o1.gs	Method	GENSCAN
Start	427	End	4656
GI	none	Score	.57
Exons	427..761, 1147..1200, 1296..1382, 1465..1535, 2110..2303, 3197..3289, 3826..4124, 4129..4248, 4253..4340, 4360..4656		

Seq. No.	38681	Seq. ID	OJ000114_21.0216.C6
Gene No.	79595	Strand	-
Start	5021	End	5430
Name	OJ000114_21.0216.C6.o2.gs	Method	GENSCAN
Start	5021	End	5430
GI	none	Score	.88
Exons	5021..5025, 5124..5430		

Seq. No.	38682	Seq. ID	OJ000114_21.0216.C7
Gene No.	79596	Strand	+
Start	841	End	1732
Name	OJ000114_21.0216.C7.o1.gs	Method	GENSCAN
Start	841	End	1732
GI	none	Score	.4
Exons	841..993, 1094..1257, 1346..1582, 1622..1732		

Seq. No.	38682	Seq. ID	OJ000114_21.0216.C7
Gene No.	79596	Strand	+
Start	841	End	1732
Name	OJ000114_21.0216.C7.o1.gp	Method	AAT/GAP
Start	1373	End	1582
GI	1799_1.R1084	Score	389

Exons	1373..1582		
GI Descrip.	'3608147 3.0e-18 (AC005314) putative chloroplast 31 kDa ribonucleoprotein precursor [Arabidopsis thaliana]'		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79597	Strand	+
Start	118	End	669
Name	OJ000114_21.0216.C8.o1.gp	Method	AAT/GAP
Start	118	End	413
GI	1799_1.R1084	Score	501
Exons	118..413		
GI Descrip.	'3608147 3.0e-18 (AC005314) putative chloroplast 31 kDa ribonucleoprotein precursor [Arabidopsis thaliana]'		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79597	Strand	+
Start	118	End	669
Name	OJ000114_21.0216.C8.o1.gs	Method	GENSCAN
Start	118	End	641
GI	none	Score	.98
Exons	118..399, 522..641		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79597	Strand	+
Start	118	End	669
Name	OJ000114_21.0216.C8.o1.np	Method	AAT/NAP
Start	188	End	669
GI	3608147	Score	108
Exons	188..399, 522..669		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79598	Strand	+
Start	1181	End	1586
Name	OJ000114_21.0216.C8.o2.gp	Method	AAT/GAP
Start	1181	End	1586
GI	5004078	Score	710
Exons	1181..1586		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79599	Strand	-
Start	1626	End	2910
Name	OJ000114_21.0216.C8.o1.tm	Method	TBLASTX:Maize
Start	228	End	619
GI	none	Score	242
Exons	228..395, 229..402, 229..402, 519..584, 520..603, 521..619		
Seq. No.	38683	Seq. ID	OJ000114_21.0216.C8
Gene No.	79599	Strand	-
Start	1626	End	2910
Name	OJ000114_21.0216.C8.o2.gs	Method	GENSCAN
Start	1626	End	2910
GI	none	Score	.64
Exons	1626..1751, 2207..2245, 2411..2544, 2742..2910		
Seq. No.	38684	Seq. ID	OJ000114_21.0216.C9

Gene No.	79600	Strand	+
Start	1	End	9906
Name	OJ000114_21.0216.C9.o1.np	Method	AAT/NAP
Start	1	End	9751
GI	1076205	Score	92
Exons	1..21, 3899..4007, 5784..5882, 6447..6700, 9653..9751		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	38684	Seq. ID	OJ000114_21.0216.C9
Gene No.	79600	Strand	+
Start	1	End	9906
Name	OJ000114_21.0216.C9.o1.gs	Method	GENSCAN
Start	140	End	571
GI	none	Score	.69
Exons	140..571		

Seq. No.	38684	Seq. ID	OJ000114_21.0216.C9
Gene No.	79600	Strand	+
Start	1	End	9906
Name	OJ000114_21.0216.C9.o1.tm	Method	TBLASTX:Maize
Start	236	End	582
GI	none	Score	173
Exons	236..409, 366..422, 374..421, 523..582, 524..568		

Seq. No.	38684	Seq. ID	OJ000114_21.0216.C9
Gene No.	79600	Strand	+
Start	1	End	9906
Name	OJ000114_21.0216.C9.o3.gs	Method	GENSCAN
Start	5688	End	9906
GI	none	Score	.54
Exons	5688..5817, 6255..6637, 6774..6883, 9591..9906		

Seq. No.	38685	Seq. ID	OJ000114_21.0216.C10
Gene No.	79601	Strand	+
Start	1	End	702
Name	OJ000114_21.0216.C10.o1.gp	Method	AAT/GAP
Start	1	End	702
GI	5988_1.R1084	Score	1263
Exons	1..702		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 3.0e-17 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	38685	Seq. ID	OJ000114_21.0216.C10
Gene No.	79601	Strand	+
Start	1	End	702
Name	OJ000114_21.0216.C10.o1.gs	Method	GENSCAN
Start	50	End	432
GI	none	Score	1
Exons	50..432		

Seq. No.	38685	Seq. ID	OJ000114_21.0216.C10

Gene No.	79601	Strand	+
Start	1	End	702
Name	OJ000114_21.0216.C10.o1.np	Method	AAT/NAP
Start	57	End	447
GI	2493318	Score	168
Exons	57..447		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79602	Strand	+
Start	1	End	1010
Name	OJ000114_21.0216.C12.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	4309727	Score	377
Exons	1..47, 699..1004		
GI Descrip.	(AC006439) putative ribosomal protein L6 [Arabidopsis thaliana]		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79602	Strand	+
Start	1	End	1010
Name	OJ000114_21.0216.C12.o1.gs	Method	GENSCAN
Start	699	End	1010
GI	none	Score	.73
Exons	699..1010		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o1.tm	Method	TBLASTX:Maize
Start	679	End	1006
GI	none	Score	459
Exons	679..966, 690..977, 697..1005, 698..1006, 699..974, 797..1006		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o1.tw	Method	TBLASTX:Wheat
Start	683	End	910
GI	none	Score	205
Exons	683..904, 686..757, 690..908, 690..908, 797..910		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o2.tc	Method	TBLASTX:Cress
Start	692	End	997
GI	none	Score	144
Exons	692..754, 699..806, 699..815, 786..977, 812..997		

Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o2.gs	Method	GENSCAN
Start	2525	End	3781
GI	none	Score	1

Exons	2525..3781		
Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o2.np	Method	AAT/NAP
Start	2616	End	3744
GI	6729030	Score	422
Exons	2616..3017, 3075..3446, 3485..3744		
GI Descrip.	(AC009177) putative RING-H2 zinc finger protein ATL6 [Arabidopsis thaliana]		
Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o2.tw	Method	TBLASTX:Wheat
Start	3200	End	3442
GI	none	Score	126
Exons	3200..3442, 3201..3359, 3251..3391		
Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o2.tm	Method	TBLASTX:Maize
Start	3203	End	3358
GI	none	Score	128
Exons	3203..3352, 3204..3356, 3251..3358		
Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o1.tc	Method	TBLASTX:Cress
Start	3209	End	3664
GI	none	Score	159
Exons	3209..3439, 3210..3437, 3542..3664		
Seq. No.	38686	Seq. ID	OJ000114_21.0216.C12
Gene No.	79603	Strand	-
Start	2525	End	3781
Name	OJ000114_21.0216.C12.o1.ts	Method	TBLASTX:Soybean
Start	3242	End	3643
GI	none	Score	165
Exons	3242..3460, 3243..3461, 3542..3643		
Seq. No.	38687	Seq. ID	OJ000114_21.0216.C13
Gene No.	79604	Strand	-
Start	118	End	174
Name	OJ000114_21.0216.C13.o1.gs	Method	GENSCAN
Start	118	End	174
GI	none	Score	.4
Exons	118..174		
Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o1.gs	Method	GENSCAN
Start	45	End	1135

GI	none	Score	.62
Exons	45..345, 400..557, 824..1135		

Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o1.tm	Method	TBLASTX:Maize
Start	243	End	746
GI	none	Score	41
Exons	243..338, 431..538, 432..557, 444..548, 671..727, 672..746		

Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o2.np	Method	AAT/NAP
Start	391	End	1219
GI	6587839	Score	281
Exons	391..544, 672..862, 953..1219		
GI Descrip.	(AC006551) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o1.ts	Method	TBLASTX:Soybean
Start	432	End	734
GI	none	Score	193
Exons	432..557, 434..589, 455..559, 653..727, 671..727, 672..734		

Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o2.tm	Method	TBLASTX:Maize
Start	938	End	1120
GI	none	Score	39
Exons	938..964, 964..1110, 965..1120, 1064..1120		

Seq. No.	38688	Seq. ID	OJ000114_21.0216.C16
Gene No.	79605	Strand	+
Start	45	End	1219
Name	OJ000114_21.0216.C16.o2.ts	Method	TBLASTX:Soybean
Start	941	End	1134
GI	none	Score	199
Exons	941..1132, 961..1134		

Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79606	Strand	+
Start	1601	End	2609
Name	OJ000114_21.0216.C18.o1.gp	Method	AAT/GAP
Start	1601	End	1912
GI	2311294	Score	543
Exons	1601..1912		

Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79606	Strand	+
Start	1601	End	2609
Name	OJ000114_21.0216.C18.o1.gs	Method	GENSCAN
Start	1614	End	2609

GI	none	Score	1
Exons	1614..2609		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79606	Strand	+
Start	1601	End	2609
Name	OJ000114_21.0216.C18.o1.np	Method	AAT/NAP
Start	1629	End	2606
GI	3759184	Score	723
Exons	1629..1858, 1886..2179, 2207..2606		
GI Descrip.	(AB018441) phi-1 [Nicotiana tabacum]		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79607	Strand	+
Start	7491	End	7960
Name	OJ000114_21.0216.C18.o3.gs	Method	GENSCAN
Start	7491	End	7921
GI	none	Score	.89
Exons	7491..7563, 7599..7921		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79607	Strand	+
Start	7491	End	7960
Name	OJ000114_21.0216.C18.o3.gp	Method	AAT/GAP
Start	7666	End	7960
GI	2311056	Score	551
Exons	7666..7960		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79608	Strand	-
Start	2398	End	2837
Name	OJ000114_21.0216.C18.o2.gp	Method	AAT/GAP
Start	2398	End	2837
GI	82785_1.R1084	Score	746
Exons	2398..2837		
GI Descrip.	'4107001/dbj|BAA36299| 0.0e+00 (D82035) OSK4 [Oryza sativa]'		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79609	Strand	-
Start	3934	End	7051
Name	OJ000114_21.0216.C18.o1.tm	Method	TBLASTX:Maize
Start	1550	End	2603
GI	none	Score	35
Exons	1550..1582, 1683..1844, 1713..1850, 1962..2090, 1970..2095, 2067..2138, 2201..2398, 2202..2405, 2400..2492, 2408..2488, 2472..2603		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79609	Strand	-
Start	3934	End	7051
Name	OJ000114_21.0216.C18.o1.tc	Method	TBLASTX:Cress
Start	1713	End	2609
GI	none	Score	136
Exons	1713..1850, 1920..2138, 2211..2489, 2219..2488, 2529..2609, 2561..2605		
Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18

Gene No.	79609	Strand	-
Start	3934	End	7051
Name	OJ000114_21.0216.C18.o1.ts	Method	TBLASTX:Soybean
Start	1737	End	2609
GI	none	Score	118
Exons	1737..1838, 1746..1850, 1962..2048, 2061..2138, 2069..2137, 2195..2512, 2196..2603, 2343..2609		

Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79609	Strand	-
Start	3934	End	7051
Name	OJ000114_21.0216.C18.o1.tw	Method	TBLASTX:Wheat
Start	2067	End	2399
GI	none	Score	88
Exons	2067..2138, 2069..2137, 2201..2398, 2202..2399		

Seq. No.	38689	Seq. ID	OJ000114_21.0216.C18
Gene No.	79609	Strand	-
Start	3934	End	7051
Name	OJ000114_21.0216.C18.o2.gs	Method	GENSCAN
Start	3934	End	7051
GI	none	Score	.66
Exons	3934..3978, 6830..7051		

Seq. No.	38690	Seq. ID	OJ000114_21.0216.C19
Gene No.	79610	Strand	-
Start	1591	End	1764
Name	OJ000114_21.0216.C19.o1.gs	Method	GENSCAN
Start	1591	End	1764
GI	none	Score	.45
Exons	1591..1764		

Seq. No.	38691	Seq. ID	OJ000114_21.0216.C20
Gene No.	79611	Strand	-
Start	250	End	2307
Name	OJ000114_21.0216.C20.o1.gs	Method	GENSCAN
Start	250	End	1892
GI	none	Score	.69
Exons	250..402, 1551..1892		

Seq. No.	38691	Seq. ID	OJ000114_21.0216.C20
Gene No.	79611	Strand	-
Start	250	End	2307
Name	OJ000114_21.0216.C20.o1.gp	Method	AAT/GAP
Start	1752	End	2307
GI	none	Score	859
Exons	1752..2001, 2103..2307		

Seq. No.	38692	Seq. ID	OJ000114_21.0216.C21
Gene No.	79612	Strand	-
Start	351	End	827
Name	OJ000114_21.0216.C21.o1.np	Method	AAT/NAP
Start	351	End	827
GI	5042454	Score	244
Exons	351..404, 652..827		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38692	Seq. ID	OJ000114_21.0216.C21
Gene No.	79613	Strand	-
Start	3486	End	3633
Name	OJ000114_21.0216.C21.o2.gp	Method	AAT/GAP
Start	3486	End	3633
GI	2312588	Score	273
Exons	3486..3633		

Seq. No.	38693	Seq. ID	OJ000114_21.0216.C22
Gene No.	79614	Strand	+
Start	54	End	1577
Name	OJ000114_21.0216.C22.o1.gs	Method	GENSCAN
Start	54	End	1577
GI	none	Score	.54
Exons	54..199, 277..322, 887..988, 1015..1092, 1356..1577		

Seq. No.	38693	Seq. ID	OJ000114_21.0216.C22
Gene No.	79615	Strand	-
Start	1	End	1950
Name	OJ000114_21.0216.C22.o1.np	Method	AAT/NAP
Start	1	End	1950
GI	81286	Score	155
Exons	1..245, 890..1129, 1850..1950		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	38694	Seq. ID	OJ000114_21.0216.C23
Gene No.	79616	Strand	-
Start	1	End	881
Name	OJ000114_21.0216.C23.o1.gp	Method	AAT/GAP
Start	1	End	881
GI	177_2.R1084	Score	981
Exons	1..334, 712..881		
GI Descrip.	'4107001/dbj|BAA36299| 1.0e-170 (D82035) OSK4 [Oryza sativa]'		

Seq. No.	38694	Seq. ID	OJ000114_21.0216.C23
Gene No.	79616	Strand	-
Start	1	End	881
Name	OJ000114_21.0216.C23.o1.tm	Method	TBLASTX:Maize
Start	37	End	777
GI	none	Score	44
Exons	37..81, 56..82, 105..179, 110..187, 120..179, 127..180, 209..337, 219..311, 219..371, 220..390, 221..340, 675..767, 679..768, 697..777		

Seq. No.	38694	Seq. ID	OJ000114_21.0216.C23
Gene No.	79616	Strand	-
Start	1	End	881
Name	OJ000114_21.0216.C23.o1.gs	Method	GENSCAN
Start	221	End	852
GI	none	Score	.87
Exons	221..334, 712..852		

Seq. No.	38694	Seq. ID	OJ000114_21.0216.C23
Gene No.	79616	Strand	-
Start	1	End	881
Name	OJ000114_21.0216.C23.o1.np	Method	AAT/NAP

Start	224	End	881
GI	4107001	Score	453
Exons	224..334, 712..881		
GI Descrip.	(D82035) OSK4 [Oryza sativa]		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.gp	Method	AAT/GAP
Start	1	End	1048
GI	4107000	Score	939
Exons	1..151, 242..424, 863..1048		
GI Descrip.	4107001/dbj|BAA36299| 0.0e+00 (D82035) OSK4 [Oryza sativa]		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.np	Method	AAT/NAP
Start	1	End	1175
GI	1477684	Score	738
Exons	1..151, 242..424, 863..1047, 1112..1175		
GI Descrip.	(U55768) SNF1-related protein kinase [Oryza sativa]		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.tc	Method	TBLASTX:Cress
Start	18	End	1049
GI	none	Score	193
Exons	18..152, 20..154, 21..152, 220..408, 227..439, 235..432, 239..439, 240..440, 857..1045, 860..1042, 864..1043, 882..1049		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.tm	Method	TBLASTX:Maize
Start	18	End	1045
GI	none	Score	193
Exons	18..152, 20..154, 21..152, 239..436, 240..428, 240..437, 241..429, 857..1045, 863..1042, 864..1043		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.ts	Method	TBLASTX:Soybean
Start	18	End	1045
GI	none	Score	187
Exons	18..152, 20..154, 21..152, 220..417, 239..439, 240..428, 242..439, 857..1045, 864..989		

Seq. No.	38695	Seq. ID	OJ000114_21.0216.C24
Gene No.	79617	Strand	-
Start	1	End	1175
Name	OJ000114_21.0216.C24.o1.gs	Method	GENSCAN
Start	20	End	1047
GI	none	Score	.66
Exons	20..151, 242..395, 723..814, 863..1047		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	2398679	Score	1130
Exons	1..65, 281..554, 692..967, 1094..1373		
GI Descrip.	(Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.gp	Method	AAT/GAP
Start	298	End	853
GI	LIB3433-021-P1-K1-F3	Score	656
Exons	298..554, 692..853		
GI Descrip.	'2352925 2.0e-51 (AF012864) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 2 [Petroselinum crispum]'		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.tc	Method	TBLASTX:Cress
Start	309	End	1377
GI	none	Score	55
Exons	309..353, 313..354, 343..504, 348..560, 355..555, 664..897, 677..931, 678..935, 907..972, 911..970, 922..984, 1078..1371, 1091..1372, 1093..1377, 1124..1372		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.tm	Method	TBLASTX:Maize
Start	309	End	1374
GI	none	Score	164
Exons	309..527, 309..560, 310..555, 678..902, 686..904, 689..937, 907..972, 911..970, 922..972, 1078..1371, 1091..1372, 1093..1374, 1289..1372		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.ts	Method	TBLASTX:Soybean
Start	312	End	1374
GI	none	Score	70
Exons	312..386, 312..560, 319..561, 340..561, 678..902, 681..902, 685..903, 686..904, 689..934, 903..950, 907..972, 911..970, 1078..1371, 1091..1372, 1093..1374, 1100..1372		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.tw	Method	TBLASTX:Wheat
Start	312	End	561

GI	none	Score	97
Exons	312..554, 318..479, 320..547,	331..561	

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o1.gs	Method	GENSCAN
Start	365	End	1362
GI	none	Score	.62
Exons	365..554, 692..917, 1094..1362		

Seq. No.	38696	Seq. ID	OJ000114_21.0216.C26
Gene No.	79618	Strand	-
Start	1	End	1377
Name	OJ000114_21.0216.C26.o2.gp	Method	AAT/GAP
Start	1237	End	1373
GI	29229_1.R1084	Score	248
Exons	1237..1373		
GI Descrip.	'2546988/emb|CAA75386| 5.0e-53 (Y15113) 2-dehydro-3-deoxyphosphoheptonate aldolase [Morinda citrifolia]'		

Seq. No.	38697	Seq. ID	OJ000114_21.0216.C27
Gene No.	79619	Strand	-
Start	15	End	507
Name	OJ000114_21.0216.C27.o1.gs	Method	GENSCAN
Start	15	End	507
GI	none	Score	.69
Exons	15..173, 328..507		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o1.np	Method	AAT/NAP
Start	3159	End	6532
GI	5295971	Score	1572
Exons	3159..3585, 4240..5184, 5218..6532		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o3.tw	Method	TBLASTX:Wheat
Start	4471	End	4821
GI	none	Score	180
Exons	4471..4821		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o2.ts	Method	TBLASTX:Soybean
Start	4477	End	5499
GI	none	Score	204
Exons	4477..4857, 5359..5499		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29

Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o3.tm	Method	TBLASTX:Maize
Start	4546	End	4872
GI	none	Score	239
Exons	4546..4872		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o2.tm	Method	TBLASTX:Maize
Start	5314	End	5784
GI	none	Score	40
Exons	5314..5400, 5376..5552, 5376..5516, 5377..5784, 5386..5598, 5691..5780		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o2.tw	Method	TBLASTX:Wheat
Start	5397	End	5843
GI	none	Score	298
Exons	5397..5615, 5398..5763, 5440..5646, 5764..5838, 5766..5843		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o1.tw	Method	TBLASTX:Wheat
Start	5888	End	6434
GI	none	Score	57
Exons	5888..5944, 5949..6335, 6086..6337, 6339..6434		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o1.tm	Method	TBLASTX:Maize
Start	6077	End	6500
GI	none	Score	398
Exons	6077..6451, 6081..6428, 6435..6500		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o1.tc	Method	TBLASTX:Cress
Start	6099	End	6518
GI	none	Score	239
Exons	6099..6518, 6147..6284, 6263..6406, 6461..6502		

Seq. No.	38698	Seq. ID	OJ000114_21.0216.C29
Gene No.	79620	Strand	+
Start	3159	End	6532
Name	OJ000114_21.0216.C29.o1.ts	Method	TBLASTX:Soybean
Start	6108	End	6518
GI	none	Score	361
Exons	6108..6518, 6113..6403		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30

Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.e1.np	Method	AAT/NAP
Start	1	End	1559
GI	5295971	Score	1465
Exons	1..1559		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o1.gs	Method	GENSCAN
Start	50	End	798
GI	none	Score	.94
Exons	50..76, 118..798		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o1.ts	Method	TBLASTX:Soybean
Start	127	End	639
GI	5509260	Score	462
Exons	127..639, 234..443, 474..566		
GI Descrip.	-		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o2.tm	Method	TBLASTX:Maize
Start	184	End	501
GI	none	Score	418
Exons	184..501, 240..500		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o2.tc	Method	TBLASTX:Cress
Start	270	End	540
GI	none	Score	253
Exons	270..521, 271..540		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o1.tw	Method	TBLASTX:Wheat
Start	321	End	873
GI	none	Score	328
Exons	321..452, 322..666, 475..642, 652..873, 654..854		

Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o3.tm	Method	TBLASTX:Maize
Start	703	End	966
GI	none	Score	269

Exons	703..966, 756..884, 787..966		
Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o1.tm	Method	TBLASTX:Maize
Start	970	End	1425
GI	none	Score	245
Exons	970..1206, 970..1182, 1005..1205, 1213..1425, 1234..1422, 1266..1424		
Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o1.tc	Method	TBLASTX:Cress
Start	1015	End	1557
GI	none	Score	156
Exons	1015..1182, 1201..1308, 1303..1425, 1305..1424, 1422..1556, 1423..1557		
Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o2.ts	Method	TBLASTX:Soybean
Start	1030	End	1554
GI	none	Score	138
Exons	1030..1209, 1219..1554, 1272..1400, 1494..1547		
Seq. No.	38699	Seq. ID	OJ000114_21.0216.C30
Gene No.	79621	Strand	+
Start	1	End	1559
Name	OJ000114_21.0216.C30.o2.tw	Method	TBLASTX:Wheat
Start	1201	End	1551
GI	none	Score	150
Exons	1201..1428, 1329..1403, 1465..1551		
Seq. No.	38700	Seq. ID	OJ000114_21.0216.C31
Gene No.	79622	Strand	-
Start	560	End	775
Name	OJ000114_21.0216.C31.o1.gs	Method	GENSCAN
Start	560	End	775
GI	none	Score	.88
Exons	560..775		
Seq. No.	38700	Seq. ID	OJ000114_21.0216.C31
Gene No.	79623	Strand	-
Start	995	End	1106
Name	OJ000114_21.0216.C31.o1.gp	Method	AAT/GAP
Start	995	End	1106
GI	15328_1.R1084	Score	193
Exons	995..1106		
GI Descrip.	'3747044 9.0e-22 (AF093537) blue copper protein [Zea mays]'		
Seq. No.	38701	Seq. ID	OJ000114_21.0216.C32
Gene No.	79624	Strand	+
Start	63	End	158
Name	OJ000114_21.0216.C32.o1.gs	Method	GENSCAN

Start	63	End	158
GI	none	Score	.46
Exons	63..158		

Seq. No.	38701	Seq. ID	OJ000114_21.0216.C32
Gene No.	79625	Strand	+
Start	1011	End	1442
Name	OJ000114_21.0216.C32.o1.gp	Method	AAT/GAP
Start	1011	End	1442
GI	287130	Score	551
Exons	1011..1120, 1203..1442		

Seq. No.	38702	Seq. ID	OJ000114_21.0216.C34
Gene No.	79626	Strand	+
Start	1	End	451
Name	OJ000114_21.0216.C34.o1.gp	Method	AAT/GAP
Start	1	End	451
GI	15328_1.R1084	Score	891
Exons	1..451		
GI Descrip.	'3747044 9.0e-22 (AF093537) blue copper protein [Zea mays]'		

Seq. No.	38702	Seq. ID	OJ000114_21.0216.C34
Gene No.	79626	Strand	+
Start	1	End	451
Name	OJ000114_21.0216.C34.o1.np	Method	AAT/NAP
Start	1	End	451
GI	3399767	Score	80
Exons	1..280, 422..451		
GI Descrip.	(U76298) uclacyanin I [Arabidopsis thaliana] gi|3831466|gb|AAC69948.1| (AC005700) putative uclacyanin I [Arabidopsis thaliana]		

Seq. No.	38702	Seq. ID	OJ000114_21.0216.C34
Gene No.	79627	Strand	-
Start	52	End	382
Name	OJ000114_21.0216.C34.o1.gs	Method	GENSCAN
Start	52	End	382
GI	none	Score	.49
Exons	52..382		

Seq. No.	38703	Seq. ID	OJ000114_21.0216.C35
Gene No.	79628	Strand	-
Start	1	End	230
Name	OJ000114_21.0216.C35.o1.np	Method	AAT/NAP
Start	1	End	230
GI	4544451	Score	105
Exons	1..230		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	38703	Seq. ID	OJ000114_21.0216.C35
Gene No.	79628	Strand	-
Start	1	End	230
Name	OJ000114_21.0216.C35.o1.tm	Method	TBLASTX:Maize
Start	76	End	230
GI	none	Score	136
Exons	76..228, 81..230, 81..230		

Seq. No.	38704	Seq. ID	OJ000114_21.0216.C36
Gene No.	79629	Strand	-
Start	1	End	682
Name	OJ000114_21.0216.C36.o1.np	Method	AAT/NAP
Start	1	End	616
GI	4544451	Score	156
Exons	1..180, 437..616		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	38704	Seq. ID	OJ000114_21.0216.C36
Gene No.	79629	Strand	-
Start	1	End	682
Name	OJ000114_21.0216.C36.o1.gp	Method	AAT/GAP
Start	92	End	682
GI	3548958	Score	605
Exons	92..180, 436..682		
GI Descrip.	4544451/gb|AAD22359.1|AC006592_16 1.0e-41 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	38704	Seq. ID	OJ000114_21.0216.C36
Gene No.	79629	Strand	-
Start	1	End	682
Name	OJ000114_21.0216.C36.o1.gs	Method	GENSCAN
Start	92	End	653
GI	none	Score	.88
Exons	92..180, 437..653		

Seq. No.	38705	Seq. ID	OJ000114_21.0216.C37
Gene No.	79630	Strand	+
Start	1031	End	1117
Name	OJ000114_21.0216.C37.o1.gp	Method	AAT/GAP
Start	1031	End	1117
GI	29229_1.R1084	Score	139
Exons	1031..1117		
GI Descrip.	'2546988/emb|CAA75386| 5.0e-53 (Y15113) 2-dehydro-3-deoxyphosphoheptonate aldolase [Morinda citrifolia]'		

Seq. No.	38705	Seq. ID	OJ000114_21.0216.C37
Gene No.	79631	Strand	-
Start	1034	End	1117
Name	OJ000114_21.0216.C37.o1.np	Method	AAT/NAP
Start	1034	End	1117
GI	2546988	Score	101
Exons	1034..1117		
GI Descrip.	(Y15113) 2-dehydro-3-deoxyphosphoheptonate aldolase [Morinda citrifolia]		

Seq. No.	38706	Seq. ID	OJ000114_21.0216.C38
Gene No.	79632	Strand	-
Start	1	End	467
Name	OJ000114_21.0216.C38.o1.np	Method	AAT/NAP
Start	1	End	467
GI	5922634	Score	95
Exons	1..123, 366..467		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	38706	Seq. ID	OJ000114_21.0216.C38
Gene No.	79633	Strand	-
Start	1602	End	1682
Name	OJ000114_21.0216.C38.o1.gs	Method	GENSCAN
Start	1602	End	1682
GI	none	Score	.83
Exons	1602..1682		

Seq. No.	38707	Seq. ID	OJ000114_21.0216.C39
Gene No.	79634	Strand	+
Start	1	End	1142
Name	OJ000114_21.0216.C39.o1.gp	Method	AAT/GAP
Start	1	End	1142
GI	177_2.R1084	Score	438
Exons	1..157, 1063..1142		
GI Descrip.	'4107001/dbj|BAA36299| 1.0e-170 (D82035) OSK4 [Oryza sativa]'		

Seq. No.	38707	Seq. ID	OJ000114_21.0216.C39
Gene No.	79635	Strand	+
Start	1068	End	1142
Name	OJ000114_21.0216.C39.o1.np	Method	AAT/NAP
Start	1068	End	1142
GI	4107001	Score	132
Exons	1068..1142		
GI Descrip.	(D82035) OSK4 [Oryza sativa]		

Seq. No.	38708	Seq. ID	OJ000114_21.0216.C41
Gene No.	79636	Strand	+
Start	437	End	599
Name	OJ000114_21.0216.C41.o1.gp	Method	AAT/GAP
Start	340	End	599
GI	5988_1.R1084	Score	477
Exons	340..599		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 3.0e-17 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	38708	Seq. ID	OJ000114_21.0216.C41
Gene No.	79636	Strand	+
Start	437	End	599
Name	OJ000114_21.0216.C41.o1.np	Method	AAT/NAP
Start	431	End	599
GI	2493318	Score	108
Exons	431..599		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		

Seq. No.	38708	Seq. ID	OJ000114_21.0216.C41
Gene No.	79636	Strand	+
Start	437	End	599
Name	OJ000114_21.0216.C41.o1.gs	Method	GENSCAN
Start	437	End	599
GI	none	Score	.95
Exons	437..599		

Seq. No.	38709	Seq. ID	OJ000114_21.0216.C42
Gene No.	79637	Strand	+
Start	113	End	207
Name	OJ000114_21.0216.C42.o1.gs	Method	GENSCAN
Start	113	End	207
GI	none	Score	.55
Exons	113..207		

Seq. No.	38710	Seq. ID	OJ000114_21.0216.C43
Gene No.	79638	Strand	+
Start	182	End	402
Name	OJ000114_21.0216.C43.o1.gs	Method	GENSCAN
Start	182	End	402
GI	none	Score	.65
Exons	182..265, 322..402		

Seq. No.	38710	Seq. ID	OJ000114_21.0216.C43
Gene No.	79639	Strand	-
Start	858	End	1264
Name	OJ000114_21.0216.C43.o2.gs	Method	GENSCAN
Start	858	End	1264
GI	none	Score	.86
Exons	858..1135, 1210..1264		

Seq. No.	38711	Seq. ID	OJ000114_21.0216.C44
Gene No.	79640	Strand	+
Start	85	End	471
Name	OJ000114_21.0216.C44.o1.ts	Method	TBLASTX:Soybean
Start	10	End	467
GI	none	Score	120
Exons	10..138, 279..413, 283..447, 287..457, 288..467		

Seq. No.	38711	Seq. ID	OJ000114_21.0216.C44
Gene No.	79640	Strand	+
Start	85	End	471
Name	OJ000114_21.0216.C44.o1.tm	Method	TBLASTX:Maize
Start	34	End	467
GI	none	Score	63
Exons	34..138, 287..463, 288..467		

Seq. No.	38711	Seq. ID	OJ000114_21.0216.C44
Gene No.	79640	Strand	+
Start	85	End	471
Name	OJ000114_21.0216.C44.o1.gs	Method	GENSCAN
Start	85	End	471
GI	none	Score	.92
Exons	85..136, 295..471		

Seq. No.	38712	Seq. ID	OJ000114_21.0216.C46
Gene No.	79641	Strand	-
Start	379	End	523
Name	OJ000114_21.0216.C46.o1.gs	Method	GENSCAN
Start	379	End	523
GI	none	Score	.72
Exons	379..523		

Seq. No.	38713	Seq. ID	OJ000114_21.0216.C48
Gene No.	79642	Strand	+
Start	31	End	729
Name	OJ000114_21.0216.C48.o1.ts	Method	TBLASTX:Soybean
Start	13	End	729
GI	none	Score	111
Exons	13..258, 14..271, 682..729		

Seq. No.	38713	Seq. ID	OJ000114_21.0216.C48
Gene No.	79642	Strand	+
Start	31	End	729
Name	OJ000114_21.0216.C48.o1.gs	Method	GENSCAN
Start	31	End	120
GI	none	Score	.45
Exons	31..120		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79643	Strand	+
Start	1139	End	1599
Name	OJ000114_23.0218.C1.o1.gs	Method	GENSCAN
Start	1139	End	1599
GI	none	Score	.62
Exons	1139..1183, 1348..1485, 1487..1599		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79644	Strand	-
Start	1	End	2058
Name	OJ000114_23.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	2058
GI	6539553	Score	2510
Exons	1..1524, 2000..2058		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79644	Strand	-
Start	1	End	2058
Name	OJ000114_23.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	286
GI	none	Score	38
Exons	2..61, 15..53, 62..286, 77..244		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79644	Strand	-
Start	1	End	2058
Name	OJ000114_23.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	35	End	433
GI	none	Score	100
Exons	35..208, 36..206, 73..219, 182..430, 198..296, 214..303, 215..433		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79644	Strand	-
Start	1	End	2058
Name	OJ000114_23.0218.C1.o2.tm	Method	TBLASTX:Maize

Start	74	End	509
GI	none	Score	41
Exons	74..454, 483..509		

Seq. No.	38714	Seq. ID	OJ000114_23.0218.C1
Gene No.	79644	Strand	-
Start	1	End	2058
Name	OJ000114_23.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	627	End	1166
GI	none	Score	44
Exons	627..689, 646..690, 701..847, 705..1034, 712..987, 1125..1166		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79645	Strand	+
Start	398	End	601
Name	OJ000114_23.0218.C2.o1.gs	Method	GENSCAN
Start	398	End	601
GI	none	Score	.97
Exons	398..601		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o2.np	Method	AAT/NAP
Start	7885	End	26100
GI	4417306	Score	248
Exons	7885..8053, 13839..14276, 14346..14507, 26023..26100		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o5.gs	Method	GENSCAN
Start	10014	End	11683
GI	none	Score	.82
Exons	10014..10338, 10361..10483, 10988..11029, 11153..11196, 11501..11683		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o6.gs	Method	GENSCAN
Start	13755	End	14775
GI	none	Score	.65
Exons	13755..13966, 14022..14401, 14456..14775		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o3.np	Method	AAT/NAP
Start	17191	End	41566
GI	5922636	Score	553
Exons	17191..17266, 23274..23522, 23548..23671, 27242..27504, 27549..27715, 30890..31141, 31356..31446, 41490..41566		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza		

sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o5.gp	Method	AAT/GAP
Start	31340	End	32971
GI	16982_1.R1084	Score	1492
Exons	31340..31889, 32019..32240, 32940..32971		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79646	Strand	+
Start	7885	End	41566
Name	OJ000114_23.0218.C2.o6.gp	Method	AAT/GAP
Start	34924	End	36564
GI	12067_1.R1084	Score	900
Exons	34924..34970, 36136..36564		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79647	Strand	-
Start	885	End	2935
Name	OJ000114_23.0218.C2.o1.np	Method	AAT/NAP
Start	885	End	2419
GI	6539588	Score	119
Exons	885..937, 2159..2419		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79647	Strand	-
Start	885	End	2935
Name	OJ000114_23.0218.C2.o2.gs	Method	GENSCAN
Start	2169	End	2935
GI	none	Score	.53
Exons	2169..2392, 2779..2935		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79648	Strand	-
Start	6701	End	9292
Name	OJ000114_23.0218.C2.o1.gp	Method	AAT/GAP
Start	6481	End	7146
GI	none	Score	978
Exons	6481..6951, 7077..7146		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79648	Strand	-
Start	6701	End	9292
Name	OJ000114_23.0218.C2.o4.gs	Method	GENSCAN
Start	6701	End	9276
GI	none	Score	.81
Exons	6701..6951, 7077..7326, 7427..8962, 8968..9276		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79648	Strand	-
Start	6701	End	9292
Name	OJ000114_23.0218.C2.o2.gp	Method	AAT/GAP
Start	8826	End	9292
GI	none	Score	661
Exons	8826..8976, 9016..9292		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79649	Strand	-
Start	14855	End	15439
Name	OJ000114_23.0218.C2.o7.gs	Method	GENSCAN
Start	14855	End	15439
GI	none	Score	.63
Exons	14855..15051, 15160..15439		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79650	Strand	-
Start	18521	End	18766
Name	OJ000114_23.0218.C2.o8.gs	Method	GENSCAN
Start	18521	End	18766
GI	none	Score	.82
Exons	18521..18678, 18730..18766		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79651	Strand	-
Start	18704	End	19173
Name	OJ000114_23.0218.C2.o3.gp	Method	AAT/GAP
Start	18704	End	19173
GI	none	Score	812
Exons	18704..19173		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79652	Strand	-
Start	24588	End	29997
Name	OJ000114_23.0218.C2.o10.gs	Method	GENSCAN
Start	24588	End	29997
GI	none	Score	.44
Exons	24588..24787, 25873..26026, 26557..27370, 27404..27632, 28094..28227, 29990..29997		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79652	Strand	-
Start	24588	End	29997
Name	OJ000114_23.0218.C2.o4.gp	Method	AAT/GAP
Start	27080	End	27548
GI	none	Score	879
Exons	27080..27548		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	14053	End	14268
GI	none	Score	179
Exons	14053..14268		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	14068	End	14376
GI	none	Score	193
Exons	14068..14376		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	20906	End	27312
GI	none	Score	116
Exons	20906..21046, 20909..21046, 20934..21047, 21044..21106, 21164..21271, 27036..27068, 27082..27306, 27088..27312		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	29558	End	40297
GI	none	Score	65
Exons	29558..29596, 37648..37755, 37666..37758, 37740..37841, 37855..37935, 37969..38052, 39761..39895, 39767..39931, 39917..40135, 39929..40297		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o12.gs	Method	GENSCAN
Start	39749	End	40915
GI	none	Score	.52
Exons	39749..40915		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	40145	End	40520
GI	none	Score	175
Exons	40145..40450, 40145..40480, 40278..40520		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o7.gp	Method	AAT/GAP
Start	40222	End	40798
GI	none	Score	1121
Exons	40222..40798		

Seq. No.	38715	Seq. ID	OJ000114_23.0218.C2
Gene No.	79653	Strand	-
Start	39749	End	40915
Name	OJ000114_23.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	40310	End	40817
GI	none	Score	57

Exons	40310..40519, 40322..40468, 40508..40792, 40587..40817		
Seq. No.	38716	Seq. ID	OJ000114_23.0218.C3
Gene No.	79654	Strand	+
Start	3420	End	9303
Name	OJ000114_23.0218.C3.o2.gs	Method	GENSCAN
Start	3420	End	9303
GI	none	Score	.47
Exons	3420..3487, 5892..6063, 6424..6505, 6838..7488, 9167..9303		
Seq. No.	38716	Seq. ID	OJ000114_23.0218.C3
Gene No.	79655	Strand	-
Start	1488	End	7587
Name	OJ000114_23.0218.C3.o1.gs	Method	GENSCAN
Start	1488	End	2864
GI	none	Score	.99
Exons	1488..2864		
Seq. No.	38716	Seq. ID	OJ000114_23.0218.C3
Gene No.	79655	Strand	-
Start	1488	End	7587
Name	OJ000114_23.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	1500	End	7587
GI	none	Score	58
Exons	1500..1637, 1505..1582, 1513..1635, 1635..1874, 1636..1755, 1638..1880, 1980..2237, 2244..2303, 7011..7064, 7070..7174, 7129..7173, 7167..7586, 7199..7453, 7386..7463, 7507..7587, 7514..7585, 7515..7586		
Seq. No.	38716	Seq. ID	OJ000114_23.0218.C3
Gene No.	79655	Strand	-
Start	1488	End	7587
Name	OJ000114_23.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	2454	End	2732
GI	none	Score	79
Exons	2454..2648, 2455..2649, 2658..2732, 2659..2730		
Seq. No.	38717	Seq. ID	OJ000114_23.0218.C4
Gene No.	79656	Strand	+
Start	169	End	1347
Name	OJ000114_23.0218.C4.o1.gs	Method	GENSCAN
Start	169	End	1347
GI	none	Score	1
Exons	169..1347		
Seq. No.	38717	Seq. ID	OJ000114_23.0218.C4
Gene No.	79656	Strand	+
Start	169	End	1347
Name	OJ000114_23.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	309	End	735
GI	none	Score	216
Exons	309..569, 310..504, 583..735, 583..735		
Seq. No.	38717	Seq. ID	OJ000114_23.0218.C4
Gene No.	79656	Strand	+
Start	169	End	1347
Name	OJ000114_23.0218.C4.o1.tw	Method	TBLASTX:Wheat

Start	717	End	1101
GI	none	Score	75
Exons	717..968, 717..1100, 718..1101		

Seq. No.	38717	Seq. ID	OJ000114_23.0218.C4
Gene No.	79656	Strand	+
Start	169	End	1347
Name	OJ000114_23.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	736	End	1333
GI	none	Score	53
Exons	736..801, 811..1329, 829..1329, 1031..1333, 1136..1330		

Seq. No.	38717	Seq. ID	OJ000114_23.0218.C4
Gene No.	79656	Strand	+
Start	169	End	1347
Name	OJ000114_23.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	973	End	1302
GI	none	Score	187
Exons	973..1302		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.gp	Method	AAT/GAP
Start	675	End	2767
GI	6255_1.R1084	Score	2312
Exons	675..1477, 1815..2012, 2092..2264, 2727..2767		
GI Descrip.	'3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]'		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	1073	End	1329
GI	none	Score	70
Exons	1073..1138, 1084..1179, 1084..1143, 1153..1302, 1153..1329, 1181..1321		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	1486
GI	none	Score	50
Exons	1081..1176, 1082..1126, 1108..1482, 1109..1486, 1256..1486		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.gs	Method	GENSCAN
Start	1084	End	6038
GI	none	Score	.91
Exons	1084..1477, 1815..2012, 2092..2264, 2727..2971, 3050..3227, 3614..3796, 3894..3998, 4657..4794, 4882..5898, 5960..6038		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5

Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.np	Method	AAT/NAP
Start	1102	End	7671
GI	3242709	Score	1512
Exons	1102..1477, 1815..2090, 2140..2264, 2727..3007, 3081..3227, 3614..3796, 3894..3998, 4657..4794, 4882..5505, 7615..7671		
GI Descrip.	(AC003040) putative GTP-binding protein (extra large) [Arabidopsis thaliana]		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	1168	End	5733
GI	none	Score	107
Exons	1168..1353, 1333..1482, 1358..1504, 1817..1858, 1895..2020, 1896..2030, 2163..2267, 2727..2921, 2727..2963, 2734..2940, 3084..3203, 3099..3203, 3614..3712, 3701..3805, 3900..4004, 3900..3998, 4654..4794, 4664..4798, 4672..4809, 4878..4937, 4880..5263, 4882..5259, 5671..5733		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	1375	End	3191
GI	none	Score	156
Exons	1375..1485, 1376..1486, 1814..2020, 1815..2015, 2088..2264, 2089..2265, 2091..2267, 2726..2971, 2727..2972, 2728..2973, 3044..3160, 3045..3191, 3054..3191		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o5.ts	Method	TBLASTX:Soybean
Start	1814	End	2015
GI	none	Score	113
Exons	1814..1876, 1868..2014, 1878..2015		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o4.ts	Method	TBLASTX:Soybean
Start	2088	End	2267
GI	none	Score	85
Exons	2088..2261, 2089..2265, 2091..2267		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o3.ts	Method	TBLASTX:Soybean
Start	2817	End	4749
GI	none	Score	113
Exons	2817..2987, 2818..2988, 3012..3230, 3145..3228, 3605..3727, 3615..3713, 3725..3811, 3750..3797, 3861..3995, 3892..3993, 3900..3998, 3904..4002, 4652..4744, 4654..4746, 4655..4747,		

4657..4749

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o2.gp	Method	AAT/GAP
Start	2909	End	4905
GI	5003539	Score	1213
Exons	2909..2971, 3050..3227, 3614..3796, 3894..3998, 4657..4794, 4882..4905		
GI Descrip.	3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	4880	End	5248
GI	none	Score	181
Exons	4880..5245, 4882..5247, 5107..5247, 5138..5248		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	5071	End	5346
GI	none	Score	148
Exons	5071..5250, 5071..5346, 5075..5323		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o3.gp	Method	AAT/GAP
Start	5555	End	6058
GI	uC-osroM202016d06b1	Score	1000
Exons	5555..6058		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	38718	Seq. ID	OJ000114_23.0218.C5
Gene No.	79657	Strand	-
Start	1084	End	7671
Name	OJ000114_23.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	5668	End	5865
GI	none	Score	206
Exons	5668..5865, 5669..5842		

Seq. No.	38719	Seq. ID	OJ000114_23.0218.C6
Gene No.	79658	Strand	-
Start	1	End	503
Name	OJ000114_23.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	503
GI	6539553	Score	734
Exons	1..503		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	38719	Seq. ID	OJ000114_23.0218.C6
Gene No.	79658	Strand	-
Start	1	End	503
Name	OJ000114_23.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	41	End	288
GI	none	Score	164
Exons	41..280, 43..288, 43..288		

Seq. No.	38719	Seq. ID	OJ000114_23.0218.C6
Gene No.	79658	Strand	-
Start	1	End	503
Name	OJ000114_23.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	106	End	452
GI	none	Score	69
Exons	106..375, 107..364, 348..449,	351..452	

Seq. No.	38720	Seq. ID	OJ000114_23.0218.C7
Gene No.	79659	Strand	-
Start	974	End	1908
Name	OJ000114_23.0218.C7.o1.gs	Method	GENSCAN
Start	974	End	1908
GI	none	Score	.82
Exons	974..1034, 1670..1703, 1800..1908		

Seq. No.	38721	Seq. ID	OJ000114_23.0218.C8
Gene No.	79660	Strand	+
Start	2514	End	4346
Name	OJ000114_23.0218.C8.o1.gs	Method	GENSCAN
Start	2514	End	4346
GI	none	Score	.67
Exons	2514..2555, 2926..2943, 3217..3398, 4198..4346		

Seq. No.	38721	Seq. ID	OJ000114_23.0218.C8
Gene No.	79661	Strand	+
Start	4437	End	4626
Name	OJ000114_23.0218.C8.o1.np	Method	AAT/NAP
Start	4437	End	4626
GI	6721553	Score	277
Exons	4437..4626		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815078|dbj|BAA90364.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79662	Strand	+
Start	12	End	271
Name	OJ000114_23.0218.C9.o1.gp	Method	AAT/GAP
Start	12	End	271
GI	3761601	Score	381
Exons	12..271		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79663	Strand	+

Start	5492	End	10283
Name	OJ000114_23.0218.C9.o1.np	Method	AAT/NAP
Start	5492	End	10283
GI	2980798	Score	471
Exons	5492..5619, 5912..6112, 6326..6622, 6717..6836, 7015..7072, 7151..7365, 7481..7549, 7675..7769, 10220..10283		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79663	Strand	+
Start	5492	End	10283
Name	OJ000114_23.0218.C9.o2.gp	Method	AAT/GAP
Start	6710	End	7771
GI	34690_1.R1084	Score	875
Exons	6710..6836, 7024..7072, 7151..7365, 7481..7549, 7675..7771		
GI Descrip.	'2980798/emb|CAA18174.1| 2.0e-58 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79664	Strand	-
Start	2474	End	2758
Name	OJ000114_23.0218.C9.o2.gs	Method	GENSCAN
Start	2474	End	2758
GI	none	Score	97
Exons	2474..2628, 2683..2758		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	5542	End	5835
GI	none	Score	98
Exons	5542..5607, 5543..5608, 5608..5637, 5664..5786, 5665..5799, 5674..5781, 5802..5834, 5803..5835, 5805..5834		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	6118	End	6519
GI	none	Score	86
Exons	6118..6198, 6119..6193, 6146..6217, 6202..6273, 6206..6259, 6247..6318, 6248..6316, 6262..6387, 6343..6363, 6364..6399, 6456..6518, 6457..6519, 6463..6519, 6469..6504		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	6206	End	6844
GI	none	Score	92
Exons	6206..6316, 6469..6522, 6557..6622, 6559..6627, 6714..6836, 6715..6837, 6716..6844, 6725..6844		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076

Name	OJ000114_23.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	6704	End	7552
GI	none	Score	223
Exons	6704..6838, 6714..6836, 6731..6844, 7018..7071, 7023..7100, 7024..7071, 7149..7361, 7150..7368, 7159..7365, 7468..7551, 7474..7551, 7475..7552		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	6774	End	7767
GI	none	Score	112
Exons	6774..6836, 6776..6844, 7023..7070, 7024..7071, 7183..7257, 7185..7256, 7257..7394, 7258..7368, 7474..7551, 7475..7552, 7672..7731, 7672..7731, 7708..7767		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	7027	End	7767
GI	none	Score	96
Exons	7027..7071, 7029..7067, 7149..7394, 7150..7368, 7160..7387, 7474..7551, 7475..7552, 7672..7731, 7672..7731, 7732..7767		

Seq. No.	38722	Seq. ID	OJ000114_23.0218.C9
Gene No.	79665	Strand	-
Start	7942	End	9076
Name	OJ000114_23.0218.C9.o4.gs	Method	GENSCAN
Start	7942	End	9076
GI	none	Score	.51
Exons	7942..8073, 8537..8674, 8953..9076		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79666	Strand	+
Start	321	End	779
Name	OJ000114_23.0218.C10.o1.gs	Method	GENSCAN
Start	321	End	779
GI	none	Score	.71
Exons	321..458, 538..603, 668..779		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o1.np	Method	AAT/NAP
Start	1662	End	6994
GI	4680183	Score	195
Exons	1662..1751, 2362..2474, 6898..6994		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.np	Method	AAT/NAP
Start	2778	End	6994
GI	4416302	Score	2277

Exons	2778..2798, 4863..5594, 5670..6994		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.gs	Method	GENSCAN
Start	2786	End	6879
GI	none	Score	.59
Exons	2786..3075, 4127..4262, 4308..4459, 4663..4826, 5215..5306, 5409..6269, 6331..6879		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	4559	End	4867
GI	none	Score	92
Exons	4559..4867, 4599..4793		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o5.tm	Method	TBLASTX:Maize
Start	4573	End	4805
GI	none	Score	60
Exons	4573..4680, 4596..4805, 4598..4804		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	4598	End	4924
GI	none	Score	83
Exons	4598..4924, 4599..4793		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	4869	End	5328
GI	none	Score	151
Exons	4869..5204, 4881..5225, 4882..5205, 5235..5318, 5236..5328		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	4881	End	5454
GI	5509260	Score	48
Exons	4881..4940, 4881..5228, 4882..5229, 4998..5237, 5233..5454, 5235..5453		
GI Descrip.	-		
Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994

Name	OJ000114_23.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	4881	End	5159
GI	none	Score	284
Exons	4881..5159, 4882..5157		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	4965	End	5246
GI	none	Score	79
Exons	4965..5246, 5092..5241		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	5161	End	5492
GI	none	Score	320
Exons	5161..5478, 5161..5484, 5163..5492		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	5715	End	6490
GI	none	Score	311
Exons	5715..5747, 5796..6227, 5839..6225, 5996..6232, 6241..6417, 6242..6418, 6416..6490, 6418..6489		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o3.tw	Method	TBLASTX:Wheat
Start	5805	End	6065
GI	none	Score	85
Exons	5805..5951, 5839..5988, 5994..6065		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	5847	End	6227
GI	none	Score	187
Exons	5847..5948, 5997..6227		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-
Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.tw	Method	TBLASTX:Wheat
Start	6153	End	6726
GI	none	Score	57
Exons	6153..6227, 6156..6233, 6239..6340, 6241..6438, 6440..6466, 6446..6466, 6478..6726, 6497..6724		

Seq. No.	38723	Seq. ID	OJ000114_23.0218.C10
Gene No.	79667	Strand	-

Start	1662	End	6994
Name	OJ000114_23.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	6490	End	6885
GI	none	Score	224
Exons	6490..6768, 6491..6760, 6502..6768, 6766..6885		

Seq. No.	38724	Seq. ID	OJ000114_28.0228.C1
Gene No.	79668	Strand	+
Start	46	End	510
Name	OJ000114_28.0228.C1.o1.gs	Method	GENSCAN
Start	46	End	510
GI	none	Score	.86
Exons	46..189, 269..334, 399..510		

Seq. No.	38724	Seq. ID	OJ000114_28.0228.C1
Gene No.	79669	Strand	-
Start	1	End	730
Name	OJ000114_28.0228.C1.o1.np	Method	AAT/NAP
Start	1	End	730
GI	6815109	Score	103
Exons	1..531, 648..730		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38725	Seq. ID	OJ000114_28.0228.C2
Gene No.	79670	Strand	-
Start	12	End	2802
Name	OJ000114_28.0228.C2.o1.np	Method	AAT/NAP
Start	12	End	2802
GI	4680183	Score	188
Exons	12..101, 712..781, 2777..2802		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	6630685	Score	876
Exons	1..77, 192..1091		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o1.gs	Method	GENSCAN
Start	18	End	867
GI	none	Score	.72
Exons	18..867		

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	307	End	1082
GI	none	Score	311
Exons	307..339, 388..819, 431..817, 588..824, 833..874, 834..872,		

1014..1034, 1041..1082

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	397	End	657
GI	none	Score	85
Exons	397..543, 431..580, 586..657		

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	439	End	819
GI	none	Score	187
Exons	439..540, 589..819		

Seq. No.	38726	Seq. ID	OJ000114_28.0228.C3
Gene No.	79671	Strand	-
Start	1	End	1091
Name	OJ000114_28.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	676	End	819
GI	none	Score	80
Exons	676..819, 679..819		

Seq. No.	38727	Seq. ID	OJ000114_28.0228.C4
Gene No.	79672	Strand	+
Start	91	End	307
Name	OJ000114_28.0228.C4.o1.tm	Method	TBLASTX:Maize
Start	18	End	307
GI	none	Score	42
Exons	18..98, 74..289, 80..307, 90..296		

Seq. No.	38727	Seq. ID	OJ000114_28.0228.C4
Gene No.	79672	Strand	+
Start	91	End	307
Name	OJ000114_28.0228.C4.o1.gs	Method	GENSCAN
Start	91	End	301
GI	none	Score	.93
Exons	91..301		

Seq. No.	38728	Seq. ID	OJ000114_28.0228.C6
Gene No.	79673	Strand	-
Start	1	End	436
Name	OJ000114_28.0228.C6.o1.np	Method	AAT/NAP
Start	1	End	436
GI	3645898	Score	281
Exons	1..436		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	38728	Seq. ID	OJ000114_28.0228.C6
Gene No.	79673	Strand	-
Start	1	End	436
Name	OJ000114_28.0228.C6.o1.gs	Method	GENSCAN
Start	74	End	242

GI	none	Score	.67
Exons	74..242		

Seq. No.	38729	Seq. ID	OJ000114_28.0228.C7
Gene No.	79674	Strand	+
Start	273	End	907
Name	OJ000114_28.0228.C7.o1.gs	Method	GENSCAN
Start	273	End	907
GI	none	Score	.72
Exons	273..408, 702..907		

Seq. No.	38729	Seq. ID	OJ000114_28.0228.C7
Gene No.	79675	Strand	-
Start	331	End	1149
Name	OJ000114_28.0228.C7.o1.np	Method	AAT/NAP
Start	331	End	1149
GI	6539553	Score	1263
Exons	331..1149		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	38729	Seq. ID	OJ000114_28.0228.C7
Gene No.	79675	Strand	-
Start	331	End	1149
Name	OJ000114_28.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	467	End	942
GI	none	Score	349
Exons	467..853, 505..852, 862..942,	868..942	

Seq. No.	38729	Seq. ID	OJ000114_28.0228.C7
Gene No.	79675	Strand	-
Start	331	End	1149
Name	OJ000114_28.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	595	End	936
GI	none	Score	91
Exons	595..837, 674..811, 823..936		

Seq. No.	38729	Seq. ID	OJ000114_28.0228.C7
Gene No.	79675	Strand	-
Start	331	End	1149
Name	OJ000114_28.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	800	End	1131
GI	none	Score	173
Exons	800..1123, 811..1131, 832..1131		

Seq. No.	38730	Seq. ID	OJ000114_28.0228.C8
Gene No.	79676	Strand	-
Start	15	End	747
Name	OJ000114_28.0228.C8.o1.gs	Method	GENSCAN
Start	15	End	747
GI	none	Score	.42
Exons	15..158, 190..747		

Seq. No.	38730	Seq. ID	OJ000114_28.0228.C8
Gene No.	79676	Strand	-

Start	15	End	747
Name	OJ000114_28.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	123	End	607
GI	none	Score	61
Exons	123..167, 172..333, 175..333, 347..607, 412..606		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79677	Strand	+
Start	225	End	685
Name	OJ000114_28.0228.C9.o1.gs	Method	GENSCAN
Start	225	End	685
GI	none	Score	.69
Exons	225..269, 434..571, 573..685		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79678	Strand	+
Start	1849	End	10248
Name	OJ000114_28.0228.C9.o2.np	Method	AAT/NAP
Start	1849	End	10248
GI	1063684	Score	61
Exons	1849..2134, 9302..9352, 10023..10248		
GI Descrip.	(U39072) AtGRP2b [Arabidopsis thaliana] gi|4803937|gb|AAD29810.1|AC006264_18 (AC006264) glycine-rich protein (AtGRP2) [Arabidopsis thaliana]		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79679	Strand	+
Start	10709	End	13704
Name	OJ000114_28.0228.C9.o3.np	Method	AAT/NAP
Start	10709	End	13704
GI	6599134	Score	80
Exons	10709..11085, 11326..11845, 12530..12593, 13660..13704		
GI Descrip.	(AL133561) hypothetical protein [Homo sapiens]		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79679	Strand	+
Start	10709	End	13704
Name	OJ000114_28.0228.C9.o5.gs	Method	GENSCAN
Start	11456	End	13125
GI	none	Score	.82
Exons	11456..11780, 11803..11925, 12430..12471, 12595..12638, 12943..13125		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79680	Strand	-
Start	1	End	2062
Name	OJ000114_28.0228.C9.o1.np	Method	AAT/NAP
Start	1	End	2062
GI	6539553	Score	977
Exons	1..610, 2025..2062		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79681	Strand	-

Start	8144	End	10734
Name	OJ000114_28.0228.C9.o1.gp	Method	AAT/GAP
Start	7924	End	8589
GI	none	Score	978
Exons	7924..8394, 8520..8589		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79681	Strand	-
Start	8144	End	10734
Name	OJ000114_28.0228.C9.o4.gs	Method	GENSCAN
Start	8144	End	10718
GI	none	Score	.81
Exons	8144..8394, 8520..8769, 8870..10208, 10294..10718		

Seq. No.	38731	Seq. ID	OJ000114_28.0228.C9
Gene No.	79681	Strand	-
Start	8144	End	10734
Name	OJ000114_28.0228.C9.o2.gp	Method	AAT/GAP
Start	10267	End	10734
GI	none	Score	662
Exons	10267..10418, 10458..10734		

Seq. No.	38732	Seq. ID	OJ000114_28.0228.C10
Gene No.	79682	Strand	+
Start	375	End	2202
Name	OJ000114_28.0228.C10.o1.np	Method	AAT/NAP
Start	375	End	2202
GI	2129618	Score	278
Exons	375..406, 1576..2202		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	38732	Seq. ID	OJ000114_28.0228.C10
Gene No.	79682	Strand	+
Start	375	End	2202
Name	OJ000114_28.0228.C10.o1.gs	Method	GENSCAN
Start	1497	End	2151
GI	none	Score	.44
Exons	1497..1708, 1764..2151		

Seq. No.	38732	Seq. ID	OJ000114_28.0228.C10
Gene No.	79682	Strand	+
Start	375	End	2202
Name	OJ000114_28.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	1795	End	2010
GI	none	Score	179
Exons	1795..2010		

Seq. No.	38732	Seq. ID	OJ000114_28.0228.C10
Gene No.	79682	Strand	+
Start	375	End	2202
Name	OJ000114_28.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	1810	End	2118
GI	none	Score	193
Exons	1810..2118		

Seq. No.	38733	Seq. ID	OJ000114_28.0228.C11
Gene No.	79683	Strand	-
Start	77	End	491
Name	OJ000114_28.0228.C11.o1.gs	Method	GENSCAN
Start	77	End	491
GI	none	Score	.9
Exons	77..491		

Seq. No.	38734	Seq. ID	OJ000114_28.0228.C12
Gene No.	79684	Strand	+
Start	110	End	181
Name	OJ000114_28.0228.C12.o1.gs	Method	GENSCAN
Start	110	End	181
GI	none	Score	.71
Exons	110..181		

Seq. No.	38734	Seq. ID	OJ000114_28.0228.C12
Gene No.	79685	Strand	-
Start	1044	End	3340
Name	OJ000114_28.0228.C12.o2.gs	Method	GENSCAN
Start	1044	End	3340
GI	none	Score	.75
Exons	1044..1201, 1830..1893, 2731..3340		

Seq. No.	38734	Seq. ID	OJ000114_28.0228.C12
Gene No.	79685	Strand	-
Start	1044	End	3340
Name	OJ000114_28.0228.C12.o1.gp	Method	AAT/GAP
Start	1227	End	1696
GI	none	Score	812
Exons	1227..1696		

Seq. No.	38735	Seq. ID	OJ000114_28.0228.C13
Gene No.	79686	Strand	+
Start	515	End	5297
Name	OJ000114_28.0228.C13.o1.gs	Method	GENSCAN
Start	515	End	3062
GI	none	Score	.82
Exons	515..661, 1919..2267, 3013..3062		

Seq. No.	38735	Seq. ID	OJ000114_28.0228.C13
Gene No.	79686	Strand	+
Start	515	End	5297
Name	OJ000114_28.0228.C13.o2.np	Method	AAT/NAP
Start	1709	End	5297
GI	3873550	Score	143
Exons	1709..2130, 3391..3633, 5244..5297		
GI Descrip.	(AL033534) hypothetical serine-rich secreted protein [Schizosaccharomyces pombe]		

Seq. No.	38735	Seq. ID	OJ000114_28.0228.C13
Gene No.	79686	Strand	+
Start	515	End	5297
Name	OJ000114_28.0228.C13.o1.np	Method	AAT/NAP
Start	2072	End	2465
GI	5922636	Score	461
Exons	2072..2320, 2346..2465		

GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	38735	Seq. ID	OJ000114_28.0228.C13
Gene No.	79687	Strand	-
Start	3386	End	4824
Name	OJ000114_28.0228.C13.o2.gs	Method	GENSCAN
Start	3386	End	4824
GI	none	Score	.86
Exons	3386..3585, 4671..4824		
Seq. No.	38736	Seq. ID	OJ000114_28.0228.C14
Gene No.	79688	Strand	+
Start	2171	End	4702
Name	OJ000114_28.0228.C14.o1.gs	Method	GENSCAN
Start	2171	End	4702
GI	none	Score	.45
Exons	2171..2328, 2370..2588, 2621..2751, 2849..2934, 3186..3311, 4323..4457, 4559..4702		
Seq. No.	38736	Seq. ID	OJ000114_28.0228.C14
Gene No.	79688	Strand	+
Start	2171	End	4702
Name	OJ000114_28.0228.C14.o1.gp	Method	AAT/GAP
Start	2385	End	4016
GI	16982_1.R1084	Score	1492
Exons	2385..2934, 3064..3285, 3985..4016		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	38737	Seq. ID	OJ000114_28.0228.C16
Gene No.	79689	Strand	-
Start	447	End	1023
Name	OJ000114_28.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	137	End	436
GI	none	Score	155
Exons	137..436, 138..311, 154..435		
Seq. No.	38737	Seq. ID	OJ000114_28.0228.C16
Gene No.	79689	Strand	-
Start	447	End	1023
Name	OJ000114_28.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	370	End	745
GI	none	Score	175
Exons	370..675, 370..705, 503..745		
Seq. No.	38737	Seq. ID	OJ000114_28.0228.C16
Gene No.	79689	Strand	-
Start	447	End	1023
Name	OJ000114_28.0228.C16.o1.gp	Method	AAT/GAP
Start	447	End	1023
GI	none	Score	1121
Exons	447..1023		

Seq. No.	38737	Seq. ID	OJ000114_28.0228.C16
Gene No.	79689	Strand	-
Start	447	End	1023
Name	OJ000114_28.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	535	End	1018
GI	none	Score	57
Exons	535..744, 547..693, 733..1017, 812..1018		

Seq. No.	38738	Seq. ID	OJ000114_28.0228.C17
Gene No.	79690	Strand	-
Start	33	End	1170
Name	OJ000114_28.0228.C17.o1.gs	Method	GENSCAN
Start	33	End	1170
GI	none	Score	.78
Exons	33..1170		

Seq. No.	38738	Seq. ID	OJ000114_28.0228.C17
Gene No.	79691	Strand	-
Start	1984	End	3838
Name	OJ000114_28.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	760	End	1038
GI	none	Score	79
Exons	760..954, 761..955, 964..1038, 965..1036		

Seq. No.	38738	Seq. ID	OJ000114_28.0228.C17
Gene No.	79691	Strand	-
Start	1984	End	3838
Name	OJ000114_28.0228.C17.o2.gs	Method	GENSCAN
Start	1984	End	3838
GI	none	Score	.55
Exons	1984..2045, 2918..3049, 3444..3511, 3678..3838		

Seq. No.	38739	Seq. ID	OJ000114_28.0228.C18
Gene No.	79692	Strand	+
Start	16	End	3544
Name	OJ000114_28.0228.C18.o1.gs	Method	GENSCAN
Start	16	End	3544
GI	none	Score	.54
Exons	16..204, 611..647, 980..1630, 3309..3544		

Seq. No.	38739	Seq. ID	OJ000114_28.0228.C18
Gene No.	79692	Strand	+
Start	16	End	3544
Name	OJ000114_28.0228.C18.o1.tm	Method	TBLASTX:Maize
Start	1153	End	1729
GI	none	Score	51
Exons	1153..1206, 1212..1316, 1271..1315, 1309..1728, 1341..1595, 1528..1605, 1649..1729, 1657..1728, 1685..1729		

Seq. No.	38740	Seq. ID	OJ000114_28.0228.C19
Gene No.	79693	Strand	+
Start	1	End	352
Name	OJ000114_28.0228.C19.o1.np	Method	AAT/NAP
Start	1	End	325
GI	6562304	Score	145
Exons	1..325		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	38740	Seq. ID	OJ000114_28.0228.C19
Gene No.	79693	Strand	+
Start	1	End	352
Name	OJ000114_28.0228.C19.o1.gs	Method	GENSCAN
Start	47	End	352
GI	none	Score	.83
Exons	47..352		

Seq. No.	38740	Seq. ID	OJ000114_28.0228.C19
Gene No.	79694	Strand	+
Start	4912	End	5080
Name	OJ000114_28.0228.C19.o1.gp	Method	AAT/GAP
Start	4912	End	5080
GI	6255_1.R1084	Score	309
Exons	4912..5080		
GI Descrip.	'3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]'		

Seq. No.	38740	Seq. ID	OJ000114_28.0228.C19
Gene No.	79695	Strand	-
Start	3476	End	4091
Name	OJ000114_28.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	17	End	338
GI	none	Score	261
Exons	17..334, 36..338, 47..334, 141..335		

Seq. No.	38740	Seq. ID	OJ000114_28.0228.C19
Gene No.	79695	Strand	-
Start	3476	End	4091
Name	OJ000114_28.0228.C19.o2.gs	Method	GENSCAN
Start	3476	End	4091
GI	none	Score	.55
Exons	3476..3597, 3930..4091		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79696	Strand	+
Start	1649	End	2066
Name	OJ000114_28.0228.C20.o2.gp	Method	AAT/GAP
Start	1649	End	2066
GI	5003539	Score	357
Exons	1649..1694, 1772..1954, 2006..2066		
GI Descrip.	3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.gp	Method	AAT/GAP
Start	1	End	1488
GI	6255_1.R1084	Score	1139
Exons	1..198, 536..733, 813..985, 1448..1488		
GI Descrip.	'3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]'		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-

Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.np	Method	AAT/NAP
Start	1	End	2066
GI	3242709	Score	677
Exons	1..198, 536..811, 861..985, 1448..1728, 1802..1971, 2021..2066		
GI Descrip.	(AC003040) putative GTP-binding protein (extra large) [Arabidopsis thaliana]		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.ts	Method	TBLASTX:Soybean
Start	3	End	207
GI	none	Score	238
Exons	3..203, 4..207, 7..207		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.gs	Method	GENSCAN
Start	24	End	1948
GI	none	Score	.79
Exons	24..198, 536..733, 813..985, 1448..1692, 1771..1948		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.tc	Method	TBLASTX:Cress
Start	54	End	1924
GI	none	Score	64
Exons	54..203, 78..203, 79..225, 538..579, 616..741, 617..751, 884..988, 1448..1642, 1448..1684, 1455..1661, 1805..1924, 1820..1924		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o1.tm	Method	TBLASTX:Maize
Start	96	End	1912
GI	none	Score	121
Exons	96..206, 96..206, 97..207, 534..740, 535..741, 536..736, 810..986, 810..986, 812..988, 814..987, 1446..1691, 1447..1692, 1448..1693, 1449..1694, 1765..1881, 1766..1912, 1775..1912		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o3.ts	Method	TBLASTX:Soybean
Start	535	End	736
GI	none	Score	113
Exons	535..597, 589..735, 599..736		

Seq. No.	38741	Seq. ID	OJ000114_28.0228.C20
Gene No.	79697	Strand	-
Start	1	End	2066
Name	OJ000114_28.0228.C20.o2.ts	Method	TBLASTX:Soybean
Start	890	End	1924

GI	none	Score	120
Exons	890..988, 1433..1660, 1448..1645, 1455..1655, 1820..1906, 1820..1924		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.np	Method	AAT/NAP
Start	1	End	4071
GI	3242709	Score	749
Exons	1..260, 358..462, 1121..1258, 1346..1954, 4024..4071		
GI Descrip.	(AC003040) putative GTP-binding protein (extra large) [Arabidopsis thaliana]		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o2.ts	Method	TBLASTX:Soybean
Start	69	End	1213
GI	none	Score	67
Exons	69..191, 79..177, 189..275, 214..261, 325..459, 356..457, 364..462, 368..466, 1116..1208, 1118..1210, 1119..1211, 1121..1213		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.gp	Method	AAT/GAP
Start	77	End	1367
GI	5003539	Score	811
Exons	77..260, 358..462, 1121..1258, 1346..1367		
GI Descrip.	3242709 1.0e-53 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.tc	Method	TBLASTX:Cress
Start	78	End	2197
GI	none	Score	111
Exons	78..176, 165..269, 364..468, 364..462, 1118..1258, 1128..1262, 1136..1273, 1342..1401, 1344..1727, 1346..1723, 2135..2197		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.gs	Method	GENSCAN
Start	101	End	2502
GI	none	Score	.86
Exons	101..260, 358..462, 1121..1258, 1346..2362, 2424..2502		

Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.ts	Method	TBLASTX:Soybean
Start	1344	End	1712
GI	none	Score	181

Exons	1344..1709, 1346..1711, 1571..1711, 1602..1712		
Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	1535	End	1810
GI	none	Score	148
Exons	1535..1714, 1535..1810, 1539..1787		
Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o2.gp	Method	AAT/GAP
Start	2019	End	2522
GI	uC-osroM202016d06b1	Score	1000
Exons	2019..2522		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	38742	Seq. ID	OJ000114_28.0228.C21
Gene No.	79698	Strand	-
Start	1	End	4071
Name	OJ000114_28.0228.C21.o2.tm	Method	TBLASTX:Maize
Start	2132	End	2329
GI	none	Score	206
Exons	2132..2329, 2133..2306		
Seq. No.	38743	Seq. ID	OJ000114_28.0228.C22
Gene No.	79699	Strand	-
Start	277	End	1157
Name	OJ000114_28.0228.C22.o1.gs	Method	GENSCAN
Start	277	End	1157
GI	none	Score	.51
Exons	277..285, 446..479, 919..952, 1049..1157		
Seq. No.	38744	Seq. ID	OJ000114_28.0228.C23
Gene No.	79700	Strand	-
Start	2255	End	3199
Name	OJ000114_28.0228.C23.o1.gs	Method	GENSCAN
Start	2255	End	3199
GI	none	Score	.69
Exons	2255..2427, 3073..3199		
Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79701	Strand	+
Start	4	End	800
Name	OJ000114_28.0228.C24.o1.gs	Method	GENSCAN
Start	4	End	800
GI	none	Score	.43
Exons	4..84, 600..800		
Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79701	Strand	+
Start	4	End	800
Name	OJ000114_28.0228.C24.o1.gp	Method	AAT/GAP
Start	97	End	356

GI	3761601	Score	367
Exons	97..356		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79702	Strand	+
Start	5574	End	10551
Name	OJ000114_28.0228.C24.o1.np	Method	AAT/NAP
Start	5574	End	10551
GI	2980798	Score	471
Exons	5574..5701, 5994..6194, 6408..6704, 6799..6918, 7097..7154, 7233..7447, 7563..7631, 7757..7851, 10302..10551		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79702	Strand	+
Start	5574	End	10551
Name	OJ000114_28.0228.C24.o2.gp	Method	AAT/GAP
Start	6792	End	7853
GI	34690_1.R1084	Score	875
Exons	6792..6918, 7106..7154, 7233..7447, 7563..7631, 7757..7853		
GI Descrip.	'2980798/emb|CAA18174.1| 2.0e-58 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79703	Strand	-
Start	2556	End	2840
Name	OJ000114_28.0228.C24.o2.gs	Method	GENSCAN
Start	2556	End	2840
GI	none	Score	.97
Exons	2556..2710, 2765..2840		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o3.tm	Method	TBLASTX:Maize
Start	5624	End	5917
GI	none	Score	98
Exons	5624..5689, 5625..5690, 5690..5719, 5747..5881, 5756..5863, 5885..5917, 5887..5916		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o2.tm	Method	TBLASTX:Maize
Start	6200	End	6601
GI	none	Score	86
Exons	6200..6280, 6201..6275, 6228..6299, 6284..6355, 6288..6341, 6329..6400, 6330..6398, 6344..6469, 6425..6445, 6446..6481, 6538..6600, 6539..6601, 6545..6601, 6551..6586		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o2.ts	Method	TBLASTX:Soybean
Start	6288	End	6926

GI	none	Score	92
Exons	6288..6398, 6551..6604, 6639..6704, 6641..6709, 6796..6918, 6797..6919, 6798..6926, 6807..6926		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	6786	End	7634
GI	none	Score	223
Exons	6786..6920, 6796..6918, 6813..6926, 7100..7153, 7105..7149, 7105..7182, 7106..7153, 7231..7443, 7232..7450, 7234..7455, 7241..7447, 7550..7633, 7556..7633, 7557..7634		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	6856	End	7849
GI	none	Score	112
Exons	6856..6918, 6858..6926, 7105..7152, 7106..7153, 7265..7339, 7267..7338, 7339..7476, 7340..7450, 7556..7633, 7557..7634, 7754..7813, 7754..7813, 7790..7849		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	7109	End	7849
GI	none	Score	96
Exons	7109..7153, 7111..7149, 7231..7476, 7232..7450, 7242..7469, 7556..7633, 7557..7634, 7754..7813, 7754..7813, 7814..7849		

Seq. No.	38745	Seq. ID	OJ000114_28.0228.C24
Gene No.	79704	Strand	-
Start	8024	End	9158
Name	OJ000114_28.0228.C24.o4.gs	Method	GENSCAN
Start	8024	End	9158
GI	none	Score	.51
Exons	8024..8155, 8619..8756, 9035..9158		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.np	Method	AAT/NAP
Start	1	End	644
GI	6539553	Score	1040
Exons	1..644		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.ts	Method	TBLASTX:Soybean

Start	42	End	506
GI	5509260	Score	358
Exons	42..506, 260..355, 428..487		
GI Descrip.	-		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.gs	Method	GENSCAN
Start	72	End	567
GI	none	Score	.67
Exons	72..567		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.tc	Method	TBLASTX:Cress
Start	132	End	395
GI	none	Score	250
Exons	132..395		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.tm	Method	TBLASTX:Maize
Start	176	End	641
GI	none	Score	339
Exons	176..358, 177..641, 312..494, 428..538		

Seq. No.	38746	Seq. ID	OJ000114_28.0228.C26
Gene No.	79705	Strand	+
Start	1	End	644
Name	OJ000114_28.0228.C26.o1.tw	Method	TBLASTX:Wheat
Start	177	End	644
GI	none	Score	289
Exons	177..521, 324..497, 516..644		

Seq. No.	38747	Seq. ID	OJ000114_28.0228.C30
Gene No.	79706	Strand	-
Start	1	End	254
Name	OJ000114_28.0228.C30.o1.np	Method	AAT/NAP
Start	1	End	254
GI	6721553	Score	332
Exons	1..254		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815078|dbj|BAA90364.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38748	Seq. ID	OJ000114_28.0228.C31
Gene No.	79707	Strand	+
Start	42	End	725
Name	OJ000114_28.0228.C31.o1.gs	Method	GENSCAN
Start	42	End	633
GI	none	Score	.64
Exons	42..81, 202..416, 490..633		

Seq. No.	38748	Seq. ID	OJ000114_28.0228.C31

Gene No.	79707	Strand	+
Start	42	End	725
Name	OJ000114_28.0228.C31.o1.np	Method	AAT/NAP
Start	307	End	473
GI	4416301	Score	84
Exons	307..473		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	38748	Seq. ID	OJ000114_28.0228.C31
Gene No.	79707	Strand	+
Start	42	End	725
Name	OJ000114_28.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	384	End	725
GI	none	Score	79
Exons	384..437, 387..437, 389..451, 445..672, 453..476, 498..725, 532..669		

Seq. No.	38748	Seq. ID	OJ000114_28.0228.C31
Gene No.	79707	Strand	+
Start	42	End	725
Name	OJ000114_28.0228.C31.o2.np	Method	AAT/NAP
Start	484	End	725
GI	3645899	Score	263
Exons	484..725		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	38749	Seq. ID	OJ000114_28.0228.C32
Gene No.	79708	Strand	-
Start	1	End	552
Name	OJ000114_28.0228.C32.o1.np	Method	AAT/NAP
Start	1	End	552
GI	6539553	Score	914
Exons	1..552		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	38749	Seq. ID	OJ000114_28.0228.C32
Gene No.	79708	Strand	-
Start	1	End	552
Name	OJ000114_28.0228.C32.o1.tw	Method	TBLASTX:Wheat
Start	1	End	552
GI	none	Score	103
Exons	1..87, 2..124, 3..155, 3..551, 175..552		

Seq. No.	38749	Seq. ID	OJ000114_28.0228.C32
Gene No.	79708	Strand	-
Start	1	End	552
Name	OJ000114_28.0228.C32.o1.gs	Method	GENSCAN
Start	92	End	501
GI	none	Score	.81
Exons	92..501		

Seq. No.	38750	Seq. ID	OJ000114_28.0228.C33
Gene No.	79709	Strand	-
Start	1	End	659

Name	OJ000114_28.0228.C33.o1.np	Method	AAT/NAP
Start	1	End	612
GI	4538969	Score	114
Exons	1..35, 186..612		
GI Descrip.	(AL049488) putative protein [Arabidopsis thaliana]		

Seq. No.	38750	Seq. ID	OJ000114_28.0228.C33
Gene No.	79709	Strand	-
Start	1	End	659
Name	OJ000114_28.0228.C33.o1.gs	Method	GENSCAN
Start	37	End	657
GI	none	Score	.94
Exons	37..657		

Seq. No.	38750	Seq. ID	OJ000114_28.0228.C33
Gene No.	79709	Strand	-
Start	1	End	659
Name	OJ000114_28.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	417	End	657
GI	none	Score	46
Exons	417..449, 461..646, 463..657, 469..657		

Seq. No.	38750	Seq. ID	OJ000114_28.0228.C33
Gene No.	79709	Strand	-
Start	1	End	659
Name	OJ000114_28.0228.C33.o1.gp	Method	AAT/GAP
Start	461	End	659
GI	none	Score	368
Exons	461..659		

Seq. No.	38751	Seq. ID	OJ000204_28.0222.C2
Gene No.	79710	Strand	+
Start	1	End	1280
Name	OJ000204_28.0222.C2.o1.np	Method	AAT/NAP
Start	1	End	1280
GI	6539580	Score	563
Exons	1..54, 164..841, 955..1091, 1205..1280		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38751	Seq. ID	OJ000204_28.0222.C2
Gene No.	79710	Strand	+
Start	1	End	1280
Name	OJ000204_28.0222.C2.o1.gs	Method	GENSCAN
Start	652	End	1080
GI	none	Score	.88
Exons	652..793, 889..1080		

Seq. No.	38752	Seq. ID	OJ000204_28.0222.C3
Gene No.	79711	Strand	-
Start	928	End	1090
Name	OJ000204_28.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1090
GI	none	Score	135
Exons	921..1085, 923..1090, 925..1089		

Seq. No.	38752	Seq. ID	OJ000204_28.0222.C3
Gene No.	79711	Strand	-

Start	928	End	1090
Name	OJ000204_28.0222.C3.o1.np	Method	AAT/NAP
Start	928	End	1090
GI	4454471	Score	188
Exons	928..1090		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38752	Seq. ID	OJ000204_28.0222.C3
Gene No.	79711	Strand	-
Start	928	End	1090
Name	OJ000204_28.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	934	End	1090
GI	none	Score	136
Exons	934..1089, 941..1090		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79712	Strand	+
Start	1734	End	1818
Name	OJ000204_28.0222.C4.o1.np	Method	AAT/NAP
Start	1734	End	1818
GI	6721547	Score	89
Exons	1734..1818		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79713	Strand	+
Start	6689	End	7926
Name	OJ000204_28.0222.C4.o2.gs	Method	GENSCAN
Start	6689	End	7926
GI	none	Score	.48
Exons	6689..6714, 7216..7414, 7498..7653, 7669..7926		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79714	Strand	-
Start	1731	End	3077
Name	OJ000204_28.0222.C4.o2.np	Method	AAT/NAP
Start	216	End	3059
GI	6862952	Score	179
Exons	216..241, 2411..2525, 2629..2800, 2909..3059		
GI Descrip.	(AC019018) putative G protein-coupled receptor [Arabidopsis thaliana]		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79714	Strand	-
Start	1731	End	3077
Name	OJ000204_28.0222.C4.o1.gs	Method	GENSCAN
Start	1731	End	3077
GI	none	Score	.55
Exons	1731..1811, 2566..2715, 2916..3077		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79715	Strand	-
Start	9147	End	17640
Name	OJ000204_28.0222.C4.o2.tm	Method	TBLASTX:Maize
Start	8340	End	9858
GI	none	Score	47
Exons	8340..8420, 8343..8417, 8525..8611, 8530..8613, 8535..8609,		

9162..9230, 9166..9231, 9505..9591, 9506..9589, 9667..9858, 9667..9858

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79715	Strand	-
Start	9147	End	17640
Name	OJ000204_28.0222.C4.o3.gs	Method	GENSCAN
Start	9147	End	16768
GI	none	Score	.69
Exons	9147..9227, 9508..9591, 9667..9872, 11075..11171, 11871..11924, 12007..12140, 13184..13247, 13344..13901, 14526..14612, 14680..14807, 14961..15012, 15116..15273, 15465..15675, 16167..16643, 16763..16768		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79715	Strand	-
Start	9147	End	17640
Name	OJ000204_28.0222.C4.o3.np	Method	AAT/NAP
Start	10217	End	17640
GI	4455275	Score	1524
Exons	10217..10241, 11075..11166, 11866..11924, 12007..12140, 13280..13901, 14481..14609, 14680..14785, 14961..15023, 15111..15315, 15461..15675, 16167..16762, 17595..17640		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	38753	Seq. ID	OJ000204_28.0222.C4
Gene No.	79715	Strand	-
Start	9147	End	17640
Name	OJ000204_28.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	14960	End	15272
GI	none	Score	73
Exons	14960..15022, 14961..15020, 14962..15021, 15113..15265, 15113..15271, 15117..15272		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79716	Strand	+
Start	133	End	210
Name	OJ000204_28.0222.C5.o1.gs	Method	GENSCAN
Start	133	End	210
GI	none	Score	.77
Exons	133..210		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79717	Strand	+
Start	9985	End	10143
Name	OJ000204_28.0222.C5.o3.gs	Method	GENSCAN
Start	9985	End	10143
GI	none	Score	.72
Exons	9985..10143		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o2.gs	Method	GENSCAN
Start	1691	End	9094
GI	none	Score	.68
Exons	1691..1776, 2137..2219, 2757..2871, 3099..3503, 4070..4153,		

4535..4729, 4847..4937, 6657..8038, 8977..9094

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	2528	End	3111
GI	none	Score	38
Exons	2528..2704, 2565..2609, 2717..2755, 2717..2764, 2719..2766, 2814..2909, 2818..2889, 2821..2913, 2822..2914, 2936..3061, 2946..3107, 2946..3107, 2947..3111, 2950..3111		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o1.gp	Method	AAT/GAP
Start	2672	End	2967
GI	4714376	Score	527
Exons	2672..2967		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o1.np	Method	AAT/NAP
Start	2840	End	7521
GI	3236249	Score	909
Exons	2840..3503, 4070..4163, 4248..4330, 4436..4487, 4572..4729, 4847..4937, 6657..7122, 7162..7521		
GI Descrip.	(AC004684) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	3295	End	6989
GI	none	Score	180
Exons	3295..3504, 3296..3505, 3296..3505, 4062..4124, 4069..4122, 4070..4126, 4245..4331, 4245..4331, 4249..4332, 4433..4477, 4437..4490, 4438..4491, 4565..4723, 4568..4729, 4570..4728, 4572..4730, 4572..4730, 4576..4731, 4847..4939, 4848..4940, 4849..4938, 6648..6818, 6657..6818, 6658..6819, 6939..6989		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	3376	End	6782
GI	none	Score	114
Exons	3376..3504, 3398..3505, 4062..4142, 4069..4167, 4069..4164, 4248..4331, 4437..4484, 4456..4485, 4570..4677, 4571..4678, 4572..4682, 4572..4688, 4576..4686, 4679..4723, 4680..4730, 4681..4731, 4848..4940, 4849..4935, 4849..4941, 6648..6782, 6664..6780		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094

Name	OJ000204_28.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	4432	End	4895
GI	none	Score	46
Exons	4432..4482, 4437..4481, 4571..4723, 4572..4730, 4572..4730, 4576..4731, 4848..4895		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o2.tc	Method	TBLASTX:Cress
Start	7038	End	7463
GI	none	Score	63
Exons	7038..7106, 7045..7107, 7128..7304, 7129..7233, 7350..7442, 7360..7458, 7362..7463		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	7140	End	7458
GI	none	Score	119
Exons	7140..7325, 7141..7314, 7360..7458, 7362..7457		

Seq. No.	38754	Seq. ID	OJ000204_28.0222.C5
Gene No.	79718	Strand	-
Start	1691	End	9094
Name	OJ000204_28.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	7173	End	7631
GI	none	Score	319
Exons	7173..7427, 7174..7428, 7417..7629, 7419..7631, 7419..7631		

Seq. No.	38755	Seq. ID	OJ000204_28.0222.C6
Gene No.	79719	Strand	+
Start	368	End	4210
Name	OJ000204_28.0222.C6.o1.gs	Method	GENSCAN
Start	368	End	4210
GI	none	Score	.4
Exons	368..465, 3295..3371, 3908..4165, 4182..4210		

Seq. No.	38755	Seq. ID	OJ000204_28.0222.C6
Gene No.	79720	Strand	-
Start	6498	End	7054
Name	OJ000204_28.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	2945	End	3269
GI	none	Score	196
Exons	2945..3067, 2949..3161, 3164..3256, 3240..3269		

Seq. No.	38755	Seq. ID	OJ000204_28.0222.C6
Gene No.	79720	Strand	-
Start	6498	End	7054
Name	OJ000204_28.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	3164	End	3436
GI	none	Score	153
Exons	3164..3343, 3181..3258, 3287..3352, 3338..3436		

Seq. No.	38755	Seq. ID	OJ000204_28.0222.C6
Gene No.	79720	Strand	-

Start	6498	End	7054
Name	OJ000204_28.0222.C6.o3.gs	Method	GENSCAN
Start	6498	End	7054
GI	none	Score	.81
Exons	6498..6529, 6540..6674, 6985..7054		

Seq. No.	38756	Seq. ID	OJ000204_28.0222.C7
Gene No.	79721	Strand	+
Start	795	End	2609
Name	OJ000204_28.0222.C7.o1.gs	Method	GENSCAN
Start	795	End	2609
GI	none	Score	.86
Exons	795..963, 1175..1368, 1433..1605, 2431..2609		

Seq. No.	38756	Seq. ID	OJ000204_28.0222.C7
Gene No.	79722	Strand	+
Start	3336	End	4063
Name	OJ000204_28.0222.C7.o2.gs	Method	GENSCAN
Start	3336	End	4063
GI	none	Score	.74
Exons	3336..3594, 3627..3689, 4035..4063		

Seq. No.	38756	Seq. ID	OJ000204_28.0222.C7
Gene No.	79723	Strand	-
Start	8596	End	8816
Name	OJ000204_28.0222.C7.o4.gs	Method	GENSCAN
Start	8596	End	8816
GI	none	Score	.58
Exons	8596..8816		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79724	Strand	+
Start	1890	End	8100
Name	OJ000204_28.0222.C9.o2.gs	Method	GENSCAN
Start	1890	End	8100
GI	none	Score	.51
Exons	1890..1954, 2741..2928, 3026..3113, 3427..3480, 4441..4680, 4802..6179, 6199..6357, 6866..6946, 7492..8100		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79724	Strand	+
Start	1890	End	8100
Name	OJ000204_28.0222.C9.o2.np	Method	AAT/NAP
Start	4940	End	6236
GI	4454460	Score	351
Exons	4940..5695, 5839..6041, 6177..6236		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79725	Strand	+
Start	12969	End	13864
Name	OJ000204_28.0222.C9.o4.gs	Method	GENSCAN
Start	12969	End	13627
GI	none	Score	.98
Exons	12969..13032, 13083..13627		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79725	Strand	+
Start	12969	End	13864
Name	OJ000204_28.0222.C9.o1.gp	Method	AAT/GAP
Start	13149	End	13864
GI	58152_1.R1084	Score	1395
Exons	13149..13864		
GI Descrip.	'1362192/pir||JT0703 4.0e-23 ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize'		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79725	Strand	+
Start	12969	End	13864
Name	OJ000204_28.0222.C9.o3.np	Method	AAT/NAP
Start	13331	End	13621
GI	1362192	Score	400
Exons	13331..13621		
GI Descrip.	ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79726	Strand	+
Start	21442	End	26842
Name	OJ000204_28.0222.C9.o6.gs	Method	GENSCAN
Start	21442	End	26842
GI	none	Score	.95
Exons	21442..22467, 22563..23480, 26068..26166, 26254..26316, 26735..26842		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79727	Strand	-
Start	810	End	1114
Name	OJ000204_28.0222.C9.o1.gs	Method	GENSCAN
Start	810	End	1114
GI	none	Score	.97
Exons	810..878, 929..1114		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79728	Strand	-
Start	2550	End	3126
Name	OJ000204_28.0222.C9.o1.np	Method	AAT/NAP
Start	2550	End	3126
GI	5091507	Score	315
Exons	2550..2667, 2870..2913, 2964..3126		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o2.tm	Method	TBLASTX:Maize
Start	5357	End	5668
GI	none	Score	299
Exons	5357..5389, 5471..5668, 5478..5666		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201

Name	OJ000204_28.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	5358	End	5690
GI	none	Score	86
Exons	5358..5426, 5366..5416, 5489..5668, 5490..5690, 5547..5684		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o1.tc	Method	TBLASTX:Cress
Start	5471	End	5699
GI	none	Score	307
Exons	5471..5665, 5472..5699		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	5496	End	5666
GI	none	Score	186
Exons	5496..5666		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	13104	End	13627
GI	none	Score	82
Exons	13104..13166, 13110..13166, 13229..13258, 13301..13594, 13312..13593, 13562..13627		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o2.ts	Method	TBLASTX:Soybean
Start	13379	End	13594
GI	none	Score	192
Exons	13379..13540, 13381..13539, 13567..13590, 13568..13594		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79729	Strand	-
Start	16788	End	18201
Name	OJ000204_28.0222.C9.o5.gs	Method	GENSCAN
Start	16788	End	18201
GI	none	Score	.84
Exons	16788..17223, 17269..17615, 18091..18201		

Seq. No.	38757	Seq. ID	OJ000204_28.0222.C9
Gene No.	79730	Strand	
Start	22709	End	23120
Name	OJ000204_28.0222.C9.o3.tm	Method	TBLASTX:Maize
Start	22709	End	23120
GI	none	Score	75
Exons	22709..22768, 22713..22769, 22713..22775, 22748..22873, 22772..22867, 22773..22877, 22892..22996, 22904..22993, 23091..23120, 23091..23117		

Seq. No.	38758	Seq. ID	OJ000204_28.0222.C10

Gene No.	79731	Strand	+
Start	1	End	2393
Name	OJ000204_28.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	6539580	Score	259
Exons	1..39, 530..675, 768..947, 1061..1144, 1218..1352		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	38758	Seq. ID	OJ000204_28.0222.C10
Gene No.	79731	Strand	+
Start	1	End	2393
Name	OJ000204_28.0222.C10.o1.gs	Method	GENSCAN
Start	177	End	2393
GI	none	Score	.9
Exons	177..302, 391..686, 776..947, 1046..1144, 1218..1349, 2232..2393		

Seq. No.	38758	Seq. ID	OJ000204_28.0222.C10
Gene No.	79732	Strand	-
Start	1983	End	2073
Name	OJ000204_28.0222.C10.o1.gp	Method	AAT/GAP
Start	1983	End	2073
GI	5867_1.R1084	Score	129
Exons	1983..2073		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	38759	Seq. ID	OJ000204_28.0222.C11
Gene No.	79733	Strand	-
Start	110	End	547
Name	OJ000204_28.0222.C11.o1.gs	Method	GENSCAN
Start	110	End	547
GI	none	Score	.87
Exons	110..169, 256..405, 494..547		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.np	Method	AAT/NAP
Start	1	End	1994
GI	6539581	Score	1538
Exons	1..1377, 1483..1994		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.gs	Method	GENSCAN
Start	22	End	1953
GI	none	Score	1
Exons	22..1953		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	400	End	1105
GI	none	Score	128
Exons	400..468, 556..714, 760..1104, 815..1105		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	493	End	931
GI	none	Score	65
Exons	493..735, 494..739, 736..930, 755..931		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	767	End	1164
GI	none	Score	126
Exons	767..1063, 781..1164, 799..1074		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	847	End	1173
GI	none	Score	70
Exons	847..1164, 857..1141, 937..1173		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	1000	End	1389
GI	none	Score	56
Exons	1000..1131, 1000..1314, 1291..1389		

Seq. No.	38760	Seq. ID	OJ000204_28.0222.C12
Gene No.	79734	Strand	-
Start	1	End	1994
Name	OJ000204_28.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	1168	End	1393
GI	none	Score	93
Exons	1168..1386, 1237..1386, 1244..1393		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79735	Strand	+
Start	2757	End	6441
Name	OJ000204_28.0222.C13.o2.gs	Method	GENSCAN
Start	2757	End	6441
GI	none	Score	.5
Exons	2757..2762, 3721..3883, 4166..4312, 4426..4901, 5662..5839, 6320..6441		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79735	Strand	+
Start	2757	End	6441
Name	OJ000204_28.0222.C13.o1.np	Method	AAT/NAP
Start	4185	End	6441
GI	5903067	Score	801
Exons	4185..4312, 4426..4901, 5662..5839, 5982..6064, 6152..6221, 6320..6441		
GI Descrip.	(AC008016) F6D8.25 [Arabidopsis thaliana]		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79736	Strand	-
Start	74	End	1104
Name	OJ000204_28.0222.C13.o1.gs	Method	GENSCAN
Start	74	End	1104
GI	none	Score	.81
Exons	74..154, 263..370, 1059..1104		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129
Name	OJ000204_28.0222.C13.o2.ts	Method	TBLASTX:Soybean
Start	4257	End	4805
GI	none	Score	71
Exons	4257..4313, 4258..4314, 4427..4507, 4428..4508, 4533..4667, 4548..4637, 4719..4805		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129
Name	OJ000204_28.0222.C13.o2.tm	Method	TBLASTX:Maize
Start	4638	End	5700
GI	none	Score	49
Exons	4638..4673, 4712..4750, 4719..4751, 4755..4901, 4768..4878, 4803..4901, 4813..4902, 5661..5699, 5662..5700		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129
Name	OJ000204_28.0222.C13.o3.gs	Method	GENSCAN
Start	7199	End	8125
GI	none	Score	.5
Exons	7199..7341, 7482..7608, 7740..7928, 8018..8125		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129
Name	OJ000204_28.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	7384	End	8129
GI	none	Score	43
Exons	7384..7431, 7439..7489, 7473..7523, 7595..7666, 7605..7670, 7671..7931, 7671..7931, 7675..7941, 7792..7932, 8018..8125, 8019..8129		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129

Name	OJ000204_28.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	7677	End	7856
GI	none	Score	136
Exons	7677..7856, 7677..7847		

Seq. No.	38761	Seq. ID	OJ000204_28.0222.C13
Gene No.	79737	Strand	-
Start	7199	End	8129
Name	OJ000204_28.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	7785	End	8114
GI	none	Score	97
Exons	7785..7931, 7785..7931, 7792..7944, 7804..7941, 8010..8081, 8018..8098, 8019..8114		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79738	Strand	+
Start	153	End	1452
Name	OJ000114_12.0208.C2.o1.gs	Method	GENSCAN
Start	153	End	1452
GI	none	Score	.45
Exons	153..244, 1242..1452		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79739	Strand	-
Start	1630	End	2450
Name	OJ000114_12.0208.C2.o1.gp	Method	AAT/GAP
Start	1630	End	2450
GI	511_1.R1084	Score	1609
Exons	1630..2450		
GI Descrip.	'871931/dbj|BAA06436| 3.0e-53 (D30763) ferredoxin [Oryza sativa]'		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79739	Strand	-
Start	1630	End	2450
Name	OJ000114_12.0208.C2.o2.gs	Method	GENSCAN
Start	1965	End	2384
GI	none	Score	1
Exons	1965..2384		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79739	Strand	-
Start	1630	End	2450
Name	OJ000114_12.0208.C2.o1.np	Method	AAT/NAP
Start	1968	End	2384
GI	871931	Score	710
Exons	1968..2384		
GI Descrip.	(D30763) ferredoxin [Oryza sativa]		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79740	Strand	-
Start	3193	End	4649
Name	OJ000114_12.0208.C2.o1.ts	Method	TBLASTX:Soybean
Start	1959	End	2276
GI	none	Score	134
Exons	1959..2276, 1960..2103, 2149..2256		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79740	Strand	-
Start	3193	End	4649
Name	OJ000114_12.0208.C2.o1.tc	Method	TBLASTX:Cress
Start	1962	End	2348
GI	none	Score	152
Exons	1962..2348, 1975..2109, 2149..2256		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79740	Strand	-
Start	3193	End	4649
Name	OJ000114_12.0208.C2.o1.tm	Method	TBLASTX:Maize
Start	1971	End	2330
GI	none	Score	182
Exons	1971..2330, 1975..2109, 2151..2270		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79740	Strand	-
Start	3193	End	4649
Name	OJ000114_12.0208.C2.o1.tw	Method	TBLASTX:Wheat
Start	2145	End	2324
GI	none	Score	125
Exons	2145..2324, 2149..2298		

Seq. No.	38762	Seq. ID	OJ000114_12.0208.C2
Gene No.	79740	Strand	-
Start	3193	End	4649
Name	OJ000114_12.0208.C2.o3.gs	Method	GENSCAN
Start	3193	End	4649
GI	none	Score	.98
Exons	3193..3253, 4546..4649		

Seq. No.	38763	Seq. ID	OJ000114_12.0208.C3
Gene No.	79741	Strand	+
Start	548	End	2620
Name	OJ000114_12.0208.C3.o1.gs	Method	GENSCAN
Start	548	End	2620
GI	none	Score	.49
Exons	548..847, 2525..2620		

Seq. No.	38763	Seq. ID	OJ000114_12.0208.C3
Gene No.	79742	Strand	-
Start	2531	End	3869
Name	OJ000114_12.0208.C3.o1.np	Method	AAT/NAP
Start	2531	End	3869
GI	5922628	Score	296
Exons	2531..2787, 3771..3869		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	38763	Seq. ID	OJ000114_12.0208.C3
Gene No.	79743	Strand	-
Start	4126	End	5110
Name	OJ000114_12.0208.C3.o2.gs	Method	GENSCAN
Start	4126	End	5110
GI	none	Score	.58

Exons	4126..4318, 4339..4609, 4906..5110		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o1.np	Method	AAT/NAP
Start	1	End	2635
GI	4455338	Score	666
Exons	1..230, 871..1449, 1600..1782, 1934..2291, 2457..2635		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o1.gs	Method	GENSCAN
Start	18	End	2291
GI	none	Score	.94
Exons	18..230, 871..1820, 2207..2291		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o1.tm	Method	TBLASTX:Maize
Start	1937	End	2322
GI	none	Score	291
Exons	1937..2140, 1953..2087, 1954..2136, 2135..2293, 2135..2290, 2139..2291, 2140..2322		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o1.tc	Method	TBLASTX:Cress
Start	1955	End	2333
GI	none	Score	85
Exons	1955..2053, 2069..2143, 2071..2142, 2146..2328, 2148..2333		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o1.ts	Method	TBLASTX:Soybean
Start	1955	End	2325
GI	none	Score	83
Exons	1955..2053, 2057..2155, 2071..2142, 2078..2143, 2146..2325, 2154..2300, 2188..2301		
Seq. No.	38764	Seq. ID	OJ000114_12.0208.C4
Gene No.	79744	Strand	+
Start	1	End	2635
Name	OJ000114_12.0208.C4.o2.tm	Method	TBLASTX:Maize
Start	2446	End	2593
GI	none	Score	101
Exons	2446..2583, 2451..2585, 2451..2585, 2452..2586, 2456..2593		
Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79745	Strand	+
Start	1	End	2077
Name	OJ000114_12.0208.C5.o1.gp	Method	AAT/GAP

Start	1	End	125
GI	11373_1.R1084	Score	250
Exons	1..125		
GI Descrip.	'5091620/gb|AAD39608.1|AC007454_7 1.0e-48 (AC007454) Contains similarity to gi_836774 FAB1 protein from Saccharomyces cerevisiae genome gb_D50617. [Arabidopsis thaliana]'		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79745	Strand	+
Start	1	End	2077
Name	OJ000114_12.0208.C5.o1.np	Method	AAT/NAP
Start	1	End	565
GI	5091620	Score	524
Exons	1..219, 308..565		
GI Descrip.	(AC007454) Contains similarity to gi|836774 FAB1 protein from Saccharomyces cerevisiae genome gb|D50617. [Arabidopsis thaliana]		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79745	Strand	+
Start	1	End	2077
Name	OJ000114_12.0208.C5.o1.gs	Method	GENSCAN
Start	7	End	2077
GI	none	Score	.63
Exons	7..219, 308..498, 1250..1306, 1715..1803, 2010..2077		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	421
GI	none	Score	216
Exons	1..222, 1..204, 6..215, 236..415, 275..421, 316..420		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	891
GI	none	Score	330
Exons	1..219, 3..218, 4..219, 272..655, 275..655, 685..720, 713..760, 718..768, 722..760, 818..889, 819..890, 820..891		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	586
GI	none	Score	213
Exons	1..216, 4..207, 105..215, 275..586, 302..580, 307..585		

Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o2.gs	Method	GENSCAN
Start	2478	End	3425
GI	none	Score	.78

Exons	2478..3425		
Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o2.ts	Method	TBLASTX:Soybean
Start	2889	End	3297
GI	none	Score	94
Exons	2889..2996, 3015..3089, 3180..3296, 3190..3297		
Seq. No.	38765	Seq. ID	OJ000114_12.0208.C5
Gene No.	79746	Strand	-
Start	2478	End	3462
Name	OJ000114_12.0208.C5.o2.gp	Method	AAT/GAP
Start	3119	End	3462
GI	426958	Score	556
Exons	3119..3462		
Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79747	Strand	+
Start	1832	End	2574
Name	OJ000114_12.0208.C7.o1.gs	Method	GENSCAN
Start	1832	End	2574
GI	none	Score	.79
Exons	1832..1892, 2000..2146, 2549..2574		
Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79748	Strand	+
Start	3869	End	4429
Name	OJ000114_12.0208.C7.o1.gp	Method	AAT/GAP
Start	3869	End	4429
GI	none	Score	1086
Exons	3869..4429		
Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o1.np	Method	AAT/NAP
Start	4212	End	5570
GI	6382505	Score	1215
Exons	4212..4427, 4511..4742, 4885..5092, 5227..5570		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		
Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o1.ts	Method	TBLASTX:Soybean
Start	4239	End	5272
GI	none	Score	129
Exons	4239..4283, 4296..4433, 4297..4428, 4500..4745, 4508..4744, 4665..4745, 4879..5112, 4887..5111, 5228..5272		
Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o2.tm	Method	TBLASTX:Maize
Start	4296	End	4770

GI	none	Score	99
Exons	4296..4394, 4297..4395, 4299..4394, 4300..4395, 4408..4434, 4505..4741, 4506..4742, 4506..4748, 4636..4770		

Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o1.tm	Method	TBLASTX:Maize
Start	4956	End	5479
GI	none	Score	137
Exons	4956..5096, 4956..5111, 4957..5100, 5202..5477, 5218..5478, 5219..5479, 5220..5477, 5224..5478, 5228..5479		

Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o2.ts	Method	TBLASTX:Soybean
Start	5273	End	5480
GI	none	Score	223
Exons	5273..5479, 5274..5477, 5274..5480, 5275..5478		

Seq. No.	38766	Seq. ID	OJ000114_12.0208.C7
Gene No.	79749	Strand	-
Start	4212	End	5570
Name	OJ000114_12.0208.C7.o2.gp	Method	AAT/GAP
Start	5297	End	5485
GI	none	Score	302
Exons	5297..5485		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o1.np	Method	AAT/NAP
Start	1	End	161
GI	6382505	Score	101
Exons	1..161		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o3.np	Method	AAT/NAP
Start	1	End	2418
GI	3879797	Score	84
Exons	1..23, 117..161, 2193..2418		
GI Descrip.	(Z81120) similar to PHD-finger. (2 domains), SET domain; cDNA EST yk453a7.5 comes from this gene; cDNA EST yk453a7.3 comes from this gene; cDNA EST yk273c7.3 comes from this gene; cDNA EST yk273c3.3 comes from this gene; cDNA... gi|3881744|emb|CAB05024.1| (Z82094) similar to PHD-finger. (2 domains), SET domain; cDNA EST yk453a7.5 comes from this gene; cDNA EST yk453a7.3		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o1.gp	Method	AAT/GAP

Start	66	End	496
GI	none	Score	776
Exons	66..496		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o2.np	Method	AAT/NAP
Start	1992	End	4575
GI	3540206	Score	415
Exons	1992..2669, 2709..2952, 3317..3406, 4317..4575		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o2.gs	Method	GENSCAN
Start	2068	End	6986
GI	none	Score	.46
Exons	2068..2997, 3087..3131, 3317..3406, 4317..4637, 4727..4930, 5075..5183, 6364..6449, 6882..6986		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o1.tw	Method	TBLASTX:Wheat
Start	2126	End	2871
GI	none	Score	296
Exons	2126..2449, 2143..2448, 2387..2449, 2782..2871		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o1.tm	Method	TBLASTX:Maize
Start	2143	End	3132
GI	none	Score	432
Exons	2143..2628, 2159..2584, 2197..2334, 2765..2866, 2776..2865, 2782..2871, 3061..3132		

Seq. No.	38767	Seq. ID	OJ000114_12.0208.C8
Gene No.	79750	Strand	-
Start	1	End	6986
Name	OJ000114_12.0208.C8.o2.gp	Method	AAT/GAP
Start	6425	End	6873
GI	3759791	Score	740
Exons	6425..6449, 6491..6873		

Seq. No.	38768	Seq. ID	OJ000114_12.0208.C9
Gene No.	79751	Strand	+
Start	1	End	8167
Name	OJ000114_12.0208.C9.o1.np	Method	AAT/NAP
Start	1	End	2055
GI	6907086	Score	100
Exons	1..21, 1212..1447, 1542..2055		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38768	Seq. ID	OJ000114_12.0208.C9

Gene No.	79751	Strand	+
Start	1	End	8167
Name	OJ000114_12.0208.C9.o2.np	Method	AAT/NAP
Start	1651	End	8167
GI	2088666	Score	107
Exons	1651..2045, 8037..8167		
GI Descrip.	(AF003130) F55A12.6 gene product [Caenorhabditis elegans]		

Seq. No.	38768	Seq. ID	OJ000114_12.0208.C9
Gene No.	79752	Strand	-
Start	1133	End	1515
Name	OJ000114_12.0208.C9.o1.ts	Method	TBLASTX:Soybean
Start	538	End	1260
GI	none	Score	315
Exons	538..966, 549..1013, 570..995, 971..1036, 990..1058, 1005..1247, 1061..1165, 1066..1260		

Seq. No.	38768	Seq. ID	OJ000114_12.0208.C9
Gene No.	79752	Strand	-
Start	1133	End	1515
Name	OJ000114_12.0208.C9.o1.tm	Method	TBLASTX:Maize
Start	555	End	951
GI	none	Score	240
Exons	555..833, 556..825, 830..949, 844..951, 845..949, 846..950		

Seq. No.	38768	Seq. ID	OJ000114_12.0208.C9
Gene No.	79752	Strand	-
Start	1133	End	1515
Name	OJ000114_12.0208.C9.o1.gp	Method	AAT/GAP
Start	1133	End	1515
GI	3759790	Score	664
Exons	1133..1515		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79753	Strand	+
Start	644	End	1130
Name	OJ000114_12.0208.C10.o1.gp	Method	AAT/GAP
Start	644	End	1130
GI	uC-osrocyp015g10a1	Score	966
Exons	644..1130		
GI Descrip.	'5921187/sp|Q43255|C7C2_MAIZE 1.0e-21 CYTOCHROME P450 71C2 >gi_550438_emb_CAA57423_ (X81829) cytochrome P450 [Zea mays] >gi_1870201_emb_CAA72208_ (Y11404) cytochrome p450 [Zea mays]'		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.gs	Method	GENSCAN
Start	847	End	2378
GI	none	Score	.55
Exons	847..1968, 2133..2378		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.np	Method	AAT/NAP
Start	850	End	2441

GI	5921189	Score	1376
Exons	850..2441		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.tm	Method	TBLASTX:Maize
Start	850	End	2271
GI	none	Score	40
Exons	850..921, 850..921, 851..919, 851..919, 917..1072, 917..1039, 925..1071, 925..1038, 1096..1320, 1096..1329, 1097..1330, 1315..1536, 1331..1387, 1337..1498, 1356..1505, 1432..1629, 1618..1845, 1639..1869, 1640..1873, 1871..1984, 1876..1953, 1970..2155, 1981..2154, 1983..2156, 2145..2258, 2164..2259, 2179..2271		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.tw	Method	TBLASTX:Wheat
Start	851	End	1198
GI	none	Score	142
Exons	851..1051, 856..1071, 860..1075, 1081..1197, 1096..1197, 1097..1198		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.ts	Method	TBLASTX:Soybean
Start	859	End	2264
GI	none	Score	100
Exons	859..930, 944..1075, 946..1077, 1082..1294, 1084..1326, 1348..1509, 1507..1653, 1654..1752, 1983..2156, 2148..2219, 2217..2264		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o1.tc	Method	TBLASTX:Cress
Start	946	End	1494
GI	none	Score	104
Exons	946..1077, 947..1075, 1084..1284, 1090..1494, 1100..1492		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o3.tw	Method	TBLASTX:Wheat
Start	1201	End	1503
GI	none	Score	87
Exons	1201..1338, 1202..1339, 1354..1503, 1358..1495		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626

Name	OJ000114_12.0208.C10.o2.np	Method	AAT/NAP
Start	1495	End	3626
GI	1644459	Score	97
Exons	1495..1605, 2090..2344, 3243..3626		
GI Descrip.	(U72522) neural variant mena++ protein [Mus musculus]		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o2.tc	Method	TBLASTX:Cress
Start	1765	End	2261
GI	none	Score	91
Exons	1765..1980, 1983..2156, 2148..2261		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o2.tw	Method	TBLASTX:Wheat
Start	1928	End	2252
GI	none	Score	55
Exons	1928..1981, 1928..1984, 1983..2018, 2019..2156, 2020..2157, 2145..2252, 2145..2249		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o2.gp	Method	AAT/GAP
Start	1988	End	2524
GI	uC-osrocyp015g10b1	Score	1070
Exons	1988..2524		
GI Descrip.	'5921189/sp|Q43257|C7C4_MAIZE 2.0e-30 CYTOCHROME P450 71C4 >gi_550542_emb_CAA57425_ (X81831) cytochrome P450 [Zea mays] >gi_1850903_emb_CAA72196_ (Y11368) cytochrome p450 [Zea mays]'		

Seq. No.	38769	Seq. ID	OJ000114_12.0208.C10
Gene No.	79754	Strand	-
Start	847	End	3626
Name	OJ000114_12.0208.C10.o2.gs	Method	GENSCAN
Start	3308	End	3543
GI	none	Score	.98
Exons	3308..3543		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o1.ts	Method	TBLASTX:Soybean
Start	1828	End	3139
GI	none	Score	58
Exons	1828..1938, 1933..2079, 1979..2059, 2066..2221, 2083..2208, 2240..2329, 2248..2331, 2332..2487, 2339..2476, 2560..2733, 2839..3138, 2918..3007, 3071..3139		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o2.gs	Method	GENSCAN
Start	1837	End	3165

GI	none	Score	.45
Exons	1837..2316, 2788..3003, 3076..3165		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o1.np	Method	AAT/NAP
Start	1849	End	3203
GI	5921189	Score	1191
Exons	1849..3203		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o1.tw	Method	TBLASTX:Wheat
Start	1855	End	2182
GI	none	Score	50
Exons	1855..1923, 1859..1924, 1922..2059, 1933..2064, 1936..2073, 2065..2181, 2080..2181, 2081..2182		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o1.tm	Method	TBLASTX:Maize
Start	1856	End	2778
GI	none	Score	55
Exons	1856..1918, 1858..1920, 1916..2038, 1933..2064, 1936..2064, 2065..2199, 2067..2327, 2068..2322, 2078..2488, 2248..2556, 2428..2541, 2512..2649, 2530..2649, 2641..2778, 2656..2772, 2684..2776		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o1.tc	Method	TBLASTX:Cress
Start	1913	End	2478
GI	none	Score	99
Exons	1913..2065, 1933..2064, 2062..2268, 2074..2193, 2084..2476, 2175..2306, 2248..2478		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o2.tc	Method	TBLASTX:Cress
Start	2767	End	3139
GI	none	Score	107
Exons	2767..2844, 2857..3138, 2906..3139		

Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o2.tm	Method	TBLASTX:Maize
Start	2782	End	3202
GI	none	Score	145

Exons	2782..3141, 2792..3142, 3142..3201, 3143..3202		
Seq. No.	38770	Seq. ID	OJ000114_12.0208.C11
Gene No.	79755	Strand	-
Start	1837	End	3203
Name	OJ000114_12.0208.C11.o2.tw	Method	TBLASTX:Wheat
Start	2908	End	3202
GI	none	Score	71
Exons	2908..3015, 2915..2995, 3001..3165, 3002..3148, 3145..3201, 3149..3202		
Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79756	Strand	+
Start	12005	End	14647
Name	OJ000114_12.0208.C12.o2.np	Method	AAT/NAP
Start	12005	End	14644
GI	5921189	Score	1570
Exons	12005..12128, 13012..13893, 14039..14644		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		
Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79756	Strand	+
Start	12005	End	14647
Name	OJ000114_12.0208.C12.o5.gs	Method	GENSCAN
Start	12931	End	14647
GI	none	Score	.86
Exons	12931..13893, 14039..14647		
Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.gs	Method	GENSCAN
Start	1400	End	3024
GI	none	Score	.67
Exons	1400..1849, 1921..3024		
Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.np	Method	AAT/NAP
Start	1413	End	8534
GI	5921189	Score	1392
Exons	1413..2841, 8340..8534		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		
Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.tw	Method	TBLASTX:Wheat
Start	1427	End	14682
GI	none	Score	158
Exons	1427..1648, 1452..1649, 1655..1756, 1658..1759, 1659..1760, 6696..6797, 6792..6950, 6792..6950, 6829..6969, 6964..7077,		

6964..7053, 6966..7076, 14302..14406, 14306..14407,
14341..14574, 14414..14572, 14557..14682, 14561..14635

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.tm	Method	TBLASTX:Maize
Start	1436	End	14638
GI	none	Score	124

Exons 1436..1483, 1445..1483, 1479..1613, 1479..1601, 1487..1642,
1487..1603, 1511..1642, 1511..1603, 1658..1855, 1659..1853,
1876..2112, 1898..2059, 1914..2168, 2014..2112, 2178..2408,
2191..2415, 2234..2434, 2419..2718, 2420..2716, 2436..2750,
2707..2820, 2719..2817, 6726..6791, 6726..6791, 6727..6780,
6798..6950, 6798..6908, 6838..6951, 6966..7106, 6967..7209,
6974..7207, 7149..7211, 7218..7334, 7706..7867, 7707..7865,
7725..7871, 7726..7872, 7872..7940, 7875..7958, 7989..8354,
7990..8355, 8336..8386, 13090..13191, 13114..13479,
13116..13409, 13506..13718, 13507..13725, 13618..13737,
13756..13893, 13819..13893, 14039..14185, 14041..14163,
14171..14419, 14206..14406, 14356..14553, 14393..14554,
14411..14581, 14456..14554, 14573..14638, 14573..14638

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.ts	Method	TBLASTX:Soybean
Start	1442	End	14638
GI	none	Score	67

Exons 1442..1483, 1508..1642, 1509..1637, 1517..1639, 1653..1901,
1658..1855, 1901..1960, 1909..2073, 2377..2718, 2525..2719,
2761..2850, 6723..6986, 6727..6948, 6732..6986, 6970..7173,
6972..7094, 7224..7334, 7228..7335, 7995..8246, 8017..8250,
8295..8357, 8314..8358, 13144..13185, 13194..13412,
13195..13476, 14029..14151, 14039..14161, 14177..14638,
14206..14634

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o1.tc	Method	TBLASTX:Cress
Start	1506	End	14635
GI	none	Score	110

Exons 1506..1643, 1508..1642, 1652..1786, 1652..1855, 1662..1853,
1855..2055, 6729..6989, 6750..6914, 6841..7002, 6969..7106,
6970..7209, 7149..7229, 7261..7332, 14039..14635, 14174..14473,
14206..14634

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o2.tc	Method	TBLASTX:Cress
Start	2326	End	13590
GI	none	Score	131

Exons 2326..2718, 2327..2719, 2710..2823, 7872..8246, 7990..8250,
8238..8357, 13114..13185, 13195..13476, 13209..13412,
13504..13590

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o2.tw	Method	TBLASTX:Wheat
Start	2488	End	13425
GI	none	Score	99
Exons	2488..2595, 2492..2581, 2492..2605, 2570..2719, 2575..2718, 2589..2633, 2707..2811, 2719..2787, 8019..8075, 8019..8111, 8020..8112, 8103..8348, 8107..8349, 13096..13191, 13114..13332, 13116..13316, 13333..13425		

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o2.gs	Method	GENSCAN
Start	4206	End	4648
GI	none	Score	.73
Exons	4206..4348, 4567..4648		

Seq. No.	38771	Seq. ID	OJ000114_12.0208.C12
Gene No.	79757	Strand	-
Start	1400	End	14682
Name	OJ000114_12.0208.C12.o3.gs	Method	GENSCAN
Start	6702	End	8534
GI	none	Score	.8
Exons	6702..7334, 7518..8534		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79758	Strand	+
Start	537	End	1580
Name	OJ000114_12.0208.C14.o1.gs	Method	GENSCAN
Start	537	End	1580
GI	none	Score	.73
Exons	537..643, 1053..1121, 1462..1580		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79759	Strand	+
Start	2378	End	4425
Name	OJ000114_12.0208.C14.o1.np	Method	AAT/NAP
Start	2350	End	4416
GI	5921189	Score	1518
Exons	2350..3328, 3802..4416		
GI Descrip.	CYTOCHROME P450 71C4 gi|550542|emb|CAA57425| (X81831) cytochrome P450 [Zea mays] gi|1850903|emb|CAA72196| (Y11368) cytochrome p450 [Zea mays]		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79759	Strand	+
Start	2378	End	4425
Name	OJ000114_12.0208.C14.o2.gs	Method	GENSCAN
Start	2378	End	4425
GI	none	Score	.98
Exons	2378..3328, 3802..4425		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79760	Strand	+

Start	9407	End	10082
Name	OJ000114_12.0208.C14.o4.gs	Method	GENSCAN
Start	9407	End	9886
GI	none	Score	.75
Exons	9407..9886		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79760	Strand	+
Start	9407	End	10082
Name	OJ000114_12.0208.C14.o1.gp	Method	AAT/GAP
Start	9740	End	10082
GI	LIB3432-058-P1-K1-E12	Score	351
Exons	9740..10082		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79761	Strand	-
Start	5630	End	6304
Name	OJ000114_12.0208.C14.o3.gs	Method	GENSCAN
Start	5630	End	6304
GI	none	Score	.99
Exons	5630..6304		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79761	Strand	-
Start	5630	End	6304
Name	OJ000114_12.0208.C14.o2.np	Method	AAT/NAP
Start	5636	End	6304
GI	5051773	Score	536
Exons	5636..6228, 6254..6304		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o2.tw	Method	TBLASTX:Wheat
Start	1499	End	2884
GI	none	Score	55
Exons	1499..1606, 2545..2778, 2561..2779, 2786..2884		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o2.tm	Method	TBLASTX:Maize
Start	2554	End	3001
GI	none	Score	87
Exons	2554..2637, 2561..2650, 2608..3000, 2642..3001		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o1.ts	Method	TBLASTX:Soybean
Start	2641	End	4436
GI	none	Score	230
Exons	2641..2868, 2642..2899, 3802..3915, 3804..3908, 3915..4010, 3922..4011, 4009..4176, 4051..4173, 4173..4436, 4174..4413		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o1.tc	Method	TBLASTX:Cress
Start	2642	End	4458
GI	none	Score	196
Exons	2642..2923, 3802..4170, 3939..4073, 4179..4406, 4189..4458		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o1.tm	Method	TBLASTX:Maize
Start	3002	End	4430
GI	none	Score	222
Exons	3002..3253, 3004..3171, 3150..3215, 3182..3328, 3244..3333, 3801..4088, 3802..4173, 3853..4164, 3860..4216, 4188..4415, 4189..4416, 4203..4430		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o1.tw	Method	TBLASTX:Wheat
Start	4069	End	4467
GI	none	Score	146
Exons	4069..4173, 4167..4340, 4170..4346, 4171..4344, 4333..4407, 4336..4467		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o3.tm	Method	TBLASTX:Maize
Start	5663	End	6170
GI	none	Score	43
Exons	5663..5887, 5936..6001, 5943..6002, 6071..6133, 6078..6170		

Seq. No.	38772	Seq. ID	OJ000114_12.0208.C14
Gene No.	79762	Strand	-
Start	12222	End	12446
Name	OJ000114_12.0208.C14.o5.gs	Method	GENSCAN
Start	12222	End	12446
GI	none	Score	.74
Exons	12222..12446		

Seq. No.	38773	Seq. ID	OJ000114_12.0208.C15
Gene No.	79763	Strand	+
Start	73	End	571
Name	OJ000114_12.0208.C15.o1.gs	Method	GENSCAN
Start	73	End	571
GI	none	Score	.99
Exons	73..571		

Seq. No.	38773	Seq. ID	OJ000114_12.0208.C15
Gene No.	79764	Strand	+
Start	828	End	3949
Name	OJ000114_12.0208.C15.o1.np	Method	AAT/NAP
Start	828	End	3949

GI	4680207	Score	404
Exons	828..880, 2936..3696, 3928..3949		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	38773	Seq. ID	OJ000114_12.0208.C15
Gene No.	79764	Strand	+
Start	828	End	3949
Name	OJ000114_12.0208.C15.o2.gs	Method	GENSCAN
Start	2972	End	3696
GI	none	Score	.45
Exons	2972..3034, 3314..3696		

Seq. No.	38774	Seq. ID	OJ000114_12.0208.C16
Gene No.	79765	Strand	-
Start	1	End	704
Name	OJ000114_12.0208.C16.o1.np	Method	AAT/NAP
Start	1	End	675
GI	5091610	Score	906
Exons	1..313, 411..675		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	38774	Seq. ID	OJ000114_12.0208.C16
Gene No.	79765	Strand	-
Start	1	End	704
Name	OJ000114_12.0208.C16.o1.gs	Method	GENSCAN
Start	27	End	675
GI	none	Score	.53
Exons	27..261, 349..675		

Seq. No.	38774	Seq. ID	OJ000114_12.0208.C16
Gene No.	79765	Strand	-
Start	1	End	704
Name	OJ000114_12.0208.C16.o1.tm	Method	TBLASTX:Maize
Start	223	End	655
GI	none	Score	50
Exons	223..261, 225..263, 349..654, 359..655		

Seq. No.	38774	Seq. ID	OJ000114_12.0208.C16
Gene No.	79765	Strand	-
Start	1	End	704
Name	OJ000114_12.0208.C16.o1.gp	Method	AAT/GAP
Start	429	End	704
GI	LIB3434-038-P1-K1-B5	Score	452
Exons	429..704		
GI Descrip.	'5091610/gb|AAD39599.1|AC007858_13 6.0e-42 (AC007858) 10A19I.15 [Oryza sativa]'		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o1.np	Method	AAT/NAP
Start	1	End	751
GI	2191187	Score	289
Exons	1..35, 107..361, 450..751		
GI Descrip.	(AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o2.ts	Method	TBLASTX:Soybean
Start	1	End	362
GI	none	Score	58
Exons	1..51, 5..52, 164..361, 165..362		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	242
GI	none	Score	83
Exons	1..75, 2..109, 5..106, 132..242, 132..239, 133..240, 134..241		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o1.gs	Method	GENSCAN
Start	136	End	1836
GI	none	Score	.63
Exons	136..361, 450..959, 1222..1229, 1231..1532, 1579..1761, 1823..1836		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o1.tm	Method	TBLASTX:Maize
Start	242	End	801
GI	none	Score	144
Exons	242..364, 243..362, 244..363, 418..786, 423..800, 433..801		

Seq. No.	38775	Seq. ID	OJ000114_12.0208.C17
Gene No.	79766	Strand	-
Start	1	End	1836
Name	OJ000114_12.0208.C17.o1.ts	Method	TBLASTX:Soybean
Start	540	End	954
GI	none	Score	91
Exons	540..809, 553..765, 913..954		

Seq. No.	38776	Seq. ID	OJ000114_12.0208.C18
Gene No.	79767	Strand	+
Start	1	End	2043
Name	OJ000114_12.0208.C18.o1.np	Method	AAT/NAP
Start	1	End	2043
GI	4680207	Score	421
Exons	1..27, 1300..2043		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	38776	Seq. ID	OJ000114_12.0208.C18
Gene No.	79767	Strand	+
Start	1	End	2043
Name	OJ000114_12.0208.C18.o1.gs	Method	GENSCAN
Start	401	End	698

GI	none	Score	.79
Exons	401..420, 629..698		

Seq. No.	38776	Seq. ID	OJ000114_12.0208.C18
Gene No.	79767	Strand	+
Start	1	End	2043
Name	OJ000114_12.0208.C18.o2.gs	Method	GENSCAN
Start	1363	End	1972
GI	none	Score	.46
Exons	1363..1972		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.np	Method	AAT/NAP
Start	1	End	802
GI	5091620	Score	314
Exons	1..360, 432..802		
GI Descrip.	(AC007454) Contains similarity to gi|836774 FAB1 protein from Saccharomyces cerevisiae genome gb|D50617. [Arabidopsis thaliana]		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.gs	Method	GENSCAN
Start	52	End	744
GI	none	Score	.8
Exons	52..744		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.tm	Method	TBLASTX:Maize
Start	119	End	802
GI	none	Score	243
Exons	119..352, 127..339, 337..453, 338..403, 354..449, 433..801, 489..746, 490..798, 527..802		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.gp	Method	AAT/GAP
Start	413	End	802
GI	11373_1.R1084	Score	735
Exons	413..802		
GI Descrip.	'5091620/gb|AAD39608.1|AC007454_7 1.0e-48 (AC007454) Contains similarity to gi_836774 FAB1 protein from Saccharomyces cerevisiae genome gb_D50617. [Arabidopsis thaliana]'		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.ts	Method	TBLASTX:Soybean
Start	573	End	802
GI	none	Score	79
Exons	573..737, 584..802, 584..751, 586..801		

Seq. No.	38777	Seq. ID	OJ000114_12.0208.C23
Gene No.	79768	Strand	+
Start	1	End	802
Name	OJ000114_12.0208.C23.o1.tc	Method	TBLASTX:Cress
Start	584	End	802
GI	none	Score	276
Exons	584..802, 586..801		

Seq. No.	38778	Seq. ID	OJ000114_12.0208.C24
Gene No.	79769	Strand	-
Start	1	End	688
Name	OJ000114_12.0208.C24.o1.np	Method	AAT/NAP
Start	1	End	688
GI	4455338	Score	266
Exons	1..107, 220..688		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	38778	Seq. ID	OJ000114_12.0208.C24
Gene No.	79769	Strand	-
Start	1	End	688
Name	OJ000114_12.0208.C24.o1.gs	Method	GENSCAN
Start	220	End	607
GI	none	Score	.44
Exons	220..319, 362..607		

Seq. No.	38779	Seq. ID	OJ000114_11.0217.C1
Gene No.	79770	Strand	-
Start	1	End	1001
Name	OJ000114_11.0217.C1.o1.np	Method	AAT/NAP
Start	1	End	1001
GI	4580531	Score	76
Exons	1..60, 113..422, 917..1001		
GI Descrip.	(AF036309) scarecrow-like 14 [Arabidopsis thaliana]		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79771	Strand	+
Start	5997	End	8690
Name	OJ000114_11.0217.C2.o2.gs	Method	GENSCAN
Start	5997	End	8690
GI	none	Score	.91
Exons	5997..6006, 6982..7346, 8658..8690		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79772	Strand	-
Start	226	End	1481
Name	OJ000114_11.0217.C2.o1.gs	Method	GENSCAN
Start	226	End	1270
GI	none	Score	.74
Exons	226..395, 596..917, 983..1102, 1211..1270		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79772	Strand	-
Start	226	End	1481
Name	OJ000114_11.0217.C2.o1.gp	Method	AAT/GAP
Start	730	End	1481
GI	3740_1.R1084	Score	1454

Exons	730..1481		
GI Descrip.	'3236248 5.0e-14 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79772	Strand	-
Start	226	End	1481
Name	OJ000114_11.0217.C2.o1.ts	Method	TBLASTX:Soybean
Start	979	End	1201
GI	none	Score	259
Exons	979..1191, 980..1201		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79772	Strand	-
Start	226	End	1481
Name	OJ000114_11.0217.C2.o1.tc	Method	TBLASTX:Cress
Start	980	End	1258
GI	none	Score	288
Exons	980..1258, 1024..1188		

Seq. No.	38780	Seq. ID	OJ000114_11.0217.C2
Gene No.	79772	Strand	-
Start	226	End	1481
Name	OJ000114_11.0217.C2.o1.tm	Method	TBLASTX:Maize
Start	1030	End	1192
GI	none	Score	250
Exons	1030..1191, 1031..1192		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3
Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.gp	Method	AAT/GAP
Start	447	End	1020
GI	701156	Score	644
Exons	447..639, 875..1020		
GI Descrip.	3236248 5.0e-14 (AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3
Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.gs	Method	GENSCAN
Start	470	End	1756
GI	none	Score	.54
Exons	470..638, 873..1144, 1239..1275, 1398..1549, 1688..1756		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3
Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.ts	Method	TBLASTX:Soybean
Start	536	End	1759
GI	none	Score	62
Exons	536..640, 604..645, 861..1145, 869..1147, 871..1146, 1227..1286, 1227..1271, 1442..1555, 1447..1560, 1679..1750, 1687..1749, 1733..1759		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3

Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.np	Method	AAT/NAP
Start	546	End	1957
GI	3236248	Score	590
Exons	546..638, 873..1144, 1239..1307, 1448..1549, 1688..1752, 1924..1957		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3
Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.tm	Method	TBLASTX:Maize
Start	604	End	1750
GI	none	Score	60
Exons	604..645, 605..640, 869..1147, 871..1146, 1227..1286, 1227..1280, 1442..1555, 1450..1554, 1679..1750, 1687..1749		

Seq. No.	38781	Seq. ID	OJ000114_11.0217.C3
Gene No.	79773	Strand	+
Start	447	End	1957
Name	OJ000114_11.0217.C3.o1.tc	Method	TBLASTX:Cress
Start	869	End	1750
GI	none	Score	369
Exons	869..1147, 871..1146, 1227..1286, 1238..1279, 1419..1550, 1442..1555, 1450..1560, 1678..1749, 1679..1750		

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o1.np	Method	AAT/NAP
Start	609	End	2066
GI	3236247	Score	1125
Exons	609..2066		
GI Descrip.	(AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o1.gs	Method	GENSCAN
Start	612	End	1945
GI	none	Score	.43
Exons	612..911, 1064..1945		

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o1.tm	Method	TBLASTX:Maize
Start	624	End	1528
GI	none	Score	49
Exons	624..722, 625..669, 729..899, 772..888, 776..907, 900..1112, 911..1519, 931..1524, 932..1528		

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066

Name	OJ000114_11.0217.C4.o1.tw	Method	TBLASTX:Wheat
Start	624	End	867
GI	none	Score	62
Exons	624..866, 625..669, 684..866,	739..867	

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o1.ts	Method	TBLASTX:Soybean
Start	627	End	1291
GI	none	Score	78
Exons	627..722, 738..899, 753..887, 915..1289	766..903, 911..1288, 911..1291,	

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o1.tc	Method	TBLASTX:Cress
Start	810	End	1583
GI	none	Score	67
Exons	810..905, 811..888, 911..1342,	912..1355, 1331..1582, 1353..1583	

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o2.tw	Method	TBLASTX:Wheat
Start	959	End	1360
GI	none	Score	192
Exons	959..1360		

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o2.ts	Method	TBLASTX:Soybean
Start	1292	End	1738
GI	none	Score	65
Exons	1292..1441, 1299..1481, 1301..	1738	

Seq. No.	38782	Seq. ID	OJ000114_11.0217.C4
Gene No.	79774	Strand	-
Start	612	End	2066
Name	OJ000114_11.0217.C4.o2.tm	Method	TBLASTX:Maize
Start	1529	End	1792
GI	none	Score	173
Exons	1529..1792, 1530..1748, 1535..	1753	

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5
Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o1.np	Method	AAT/NAP
Start	1	End	673
GI	3461846	Score	556
Exons	1..673		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5

Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o1.tc	Method	TBLASTX:Cress
Start	14	End	550
GI	none	Score	56
Exons	14..181, 198..287, 198..299, 205..318, 294..374, 316..360, 383..550, 408..494		

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5
Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o1.ts	Method	TBLASTX:Soybean
Start	14	End	371
GI	none	Score	69
Exons	14..181, 21..290, 174..371, 232..360		

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5
Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o1.tm	Method	TBLASTX:Maize
Start	20	End	448
GI	none	Score	89
Exons	20..181, 20..181, 51..182, 103..183, 162..377, 163..378, 220..378, 380..448		

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5
Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o1.gs	Method	GENSCAN
Start	53	End	163
GI	none	Score	.61
Exons	53..163		

Seq. No.	38783	Seq. ID	OJ000114_11.0217.C5
Gene No.	79775	Strand	-
Start	1	End	673
Name	OJ000114_11.0217.C5.o2.tm	Method	TBLASTX:Maize
Start	465	End	673
GI	none	Score	186
Exons	465..671, 497..673		

Seq. No.	38784	Seq. ID	OJ000114_11.0217.C6
Gene No.	79776	Strand	+
Start	475	End	902
Name	OJ000114_11.0217.C6.o1.gp	Method	AAT/GAP
Start	475	End	902
GI	3768619	Score	711
Exons	475..902		

Seq. No.	38784	Seq. ID	OJ000114_11.0217.C6
Gene No.	79777	Strand	+
Start	2284	End	2884
Name	OJ000114_11.0217.C6.o2.gp	Method	AAT/GAP
Start	2284	End	2820
GI	LIB3475-001-P1-K2-A2	Score	464
Exons	2284..2494, 2747..2820		
GI Descrip.	'4895231/gb|AAD32817.1|AC007660_18 5.0e-09 (AC007660) putative		

RNA helicase [Arabidopsis thaliana]'

Seq. No.	38784	Seq. ID	OJ000114_11.0217.C6
Gene No.	79777	Strand	+
Start	2284	End	2884
Name	OJ000114_11.0217.C6.o1.np	Method	AAT/NAP
Start	2359	End	2884
GI	4895231	Score	92
Exons	2359..2494, 2747..2884		
GI Descrip.	(AC007660) ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	38784	Seq. ID	OJ000114_11.0217.C6
Gene No.	79778	Strand	-
Start	169	End	2520
Name	OJ000114_11.0217.C6.o1.gs	Method	GENSCAN
Start	169	End	2520
GI	none	Score	.58
Exons	169..180, 612..659, 2488..2520		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79779	Strand	+
Start	1	End	4530
Name	OJ000114_11.0217.C7.o1.np	Method	AAT/NAP
Start	1	End	2430
GI	4895231	Score	1306
Exons	1..118, 203..311, 411..757, 835..908, 1053..1357, 1743..1989, 2164..2430		
GI Descrip.	(AC007660) ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79779	Strand	+
Start	1	End	4530
Name	OJ000114_11.0217.C7.o1.gs	Method	GENSCAN
Start	73	End	4530
GI	none	Score	.59
Exons	73..118, 203..311, 411..757, 835..908, 1053..1357, 2133..2324, 4020..4530		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79779	Strand	+
Start	1	End	4530
Name	OJ000114_11.0217.C7.o1.gp	Method	AAT/GAP
Start	243	End	756
GI	LIB3433-012-Q6-K1-C6	Score	736
Exons	243..311, 411..756		
GI Descrip.	'58067/emb|X52325|ARBLSKP 1.0e-33 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79779	Strand	+
Start	1	End	4530
Name	OJ000114_11.0217.C7.o2.gp	Method	AAT/GAP
Start	2368	End	2684
GI	2799039	Score	590
Exons	2368..2684		
GI Descrip.	58067/emb|X52325|ARBLSKP 1.0e-33 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79780	Strand	+
Start	11144	End	13106
Name	OJ000114_11.0217.C7.o3.gs	Method	GENSCAN
Start	11144	End	12584
GI	none	Score	.49
Exons	11144..11308, 11548..11610, 11936..12170, 12295..12368, 12465..12584		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79780	Strand	+
Start	11144	End	13106
Name	OJ000114_11.0217.C7.o4.gp	Method	AAT/GAP
Start	11918	End	13106
GI	none	Score	1382
Exons	11918..12170, 12295..12368, 12465..12563, 12756..13106		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79781	Strand	-
Start	2782	End	4439
Name	OJ000114_11.0217.C7.o3.gp	Method	AAT/GAP
Start	2782	End	4439
GI	1948_1.R1084	Score	1137
Exons	2782..3056, 3144..3260, 4051..4161, 4261..4439		
GI Descrip.	'1911774/bbs|180090 2.0e-12 (S83364) putative Rab5-interacting protein {clone L1-57} [human, HeLa cells, Peptide Partial, 122 aa] [Homo sapiens]'		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79781	Strand	-
Start	2782	End	4439
Name	OJ000114_11.0217.C7.o2.np	Method	AAT/NAP
Start	3018	End	4273
GI	6563214	Score	159
Exons	3018..3056, 3144..3273, 4058..4273		
GI Descrip.	(AF112213) putative Rab5-interacting protein [Homo sapiens]		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79782	Strand	-
Start	5688	End	8889
Name	OJ000114_11.0217.C7.o2.gs	Method	GENSCAN
Start	5688	End	8889
GI	none	Score	.74
Exons	5688..5758, 6124..6243, 6743..6871, 6967..7056, 7301..7414, 7583..7729, 7803..7934, 8450..8764, 8886..8889		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o6.tm	Method	TBLASTX:Maize
Start	1	End	126
GI	none	Score	213
Exons	1..126, 1..123, 2..124, 3..125		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-

Start	13708	End	15528
Name	OJ000114_11.0217.C7.o3.tm	Method	TBLASTX:Maize
Start	670	End	1365
GI	none	Score	96
Exons	670..756, 671..757, 682..762, 809..913, 813..974, 832..909, 833..910, 1042..1230, 1064..1351, 1068..1358, 1282..1365		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o2.tc	Method	TBLASTX:Cress
Start	843	End	2331
GI	none	Score	86
Exons	843..953, 1068..1148, 1136..1351, 1152..1358, 1161..1355, 1740..1859, 1740..1970, 1741..1989, 2169..2330, 2173..2331		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o2.tw	Method	TBLASTX:Wheat
Start	1743	End	2224
GI	none	Score	42
Exons	1743..1799, 1772..1987, 1774..1986, 1795..1986, 1815..2024, 2163..2222, 2166..2219, 2167..2223, 2177..2224		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o4.tm	Method	TBLASTX:Maize
Start	2836	End	3294
GI	none	Score	42
Exons	2836..2868, 2869..2907, 2928..2960, 2929..2964, 3006..3113, 3006..3071, 3141..3275, 3144..3272, 3145..3294		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o4.tc	Method	TBLASTX:Cress
Start	3018	End	4368
GI	none	Score	100
Exons	3018..3065, 3141..3272, 4021..4164, 4070..4162, 4093..4167, 4259..4306, 4261..4368		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o5.tm	Method	TBLASTX:Maize
Start	4021	End	4368
GI	none	Score	154
Exons	4021..4170, 4060..4170, 4249..4305, 4261..4368		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o2.ts	Method	TBLASTX:Soybean
Start	4057	End	4371
GI	none	Score	99

Exons	4057..4164, 4070..4162, 4259..4306, 4261..4371		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o3.ts	Method	TBLASTX:Soybean
Start	11240	End	11823
GI	none	Score	88
Exons	11240..11308, 11541..11609, 11548..11613, 11719..11823, 11736..11822		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o3.tc	Method	TBLASTX:Cress
Start	11541	End	12046
GI	none	Score	83
Exons	11541..11621, 11548..11613, 11719..11823, 11736..11825, 11933..12046		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o2.tm	Method	TBLASTX:Maize
Start	11734	End	12371
GI	none	Score	127
Exons	11734..11823, 11734..11823, 11736..11825, 11742..11825, 11933..12169, 11935..12168, 12280..12366, 12290..12370, 12291..12371		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o5.gp	Method	AAT/GAP
Start	13375	End	14420
GI	17066_1.R1084	Score	1615
Exons	13375..14126, 14329..14420		
GI Descrip.	'1168470/sp|Q06548|APKA_ARATH 6.0e-44 PROTEIN KINASE APK1A >gi_282877_pir__S28615 protein kinase, tyrosine/serine/threonine-specific (EC 2.7.1.-) - Arabidopsis thaliana >gi_217829_dbj_BAA02092_ (D12522) protein tyrosine-serine-threonine kinase [Arabidopsis thaliana]'		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o3.np	Method	AAT/NAP
Start	13664	End	15528
GI	1168470	Score	1167
Exons	13664..14126, 14329..14452, 14534..14676, 14766..14901, 14978..15254, 15446..15528		
GI Descrip.	PROTEIN KINASE APK1A gi|282877|pir||S28615 protein kinase, tyrosine/serine/threonine-specific (EC 2.7.1.-) - Arabidopsis thaliana gi|217829|dbj|BAA02092| (D12522) protein tyrosine-serine-threonine kinase [Arabidopsis thaliana]		
Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7

Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o4.gs	Method	GENSCAN
Start	13708	End	15276
GI	none	Score	.92
Exons	13708..14126, 14329..14676, 14766..14901, 14978..15276		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o1.tc	Method	TBLASTX:Cress
Start	13798	End	15242
GI	none	Score	143
Exons	13798..14127, 13828..14112, 14321..14452, 14328..14453, 14341..14469, 14534..14650, 14534..14671, 14538..14663, 14770..14901, 14776..14901, 14960..15217, 14966..15202, 14970..15242		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o1.ts	Method	TBLASTX:Soybean
Start	13804	End	15257
GI	none	Score	188
Exons	13804..14127, 13811..14047, 13939..14124, 14321..14449, 14328..14444, 14328..14453, 14506..14667, 14534..14671, 14538..14666, 14743..14901, 14776..14901, 14924..15238, 14960..15226, 14979..15257		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o1.tw	Method	TBLASTX:Wheat
Start	13961	End	14656
GI	none	Score	73
Exons	13961..14047, 13963..14127, 14321..14452, 14328..14444, 14353..14472, 14532..14642, 14534..14650, 14534..14656		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	13993	End	15308
GI	none	Score	77
Exons	13993..14127, 13997..14128, 14004..14129, 14321..14449, 14328..14444, 14330..14452, 14526..14666, 14534..14677, 14534..14671, 14765..14902, 14776..14901, 14960..15271, 14979..15233, 15216..15308		

Seq. No.	38785	Seq. ID	OJ000114_11.0217.C7
Gene No.	79783	Strand	-
Start	13708	End	15528
Name	OJ000114_11.0217.C7.o3.tw	Method	TBLASTX:Wheat
Start	14768	End	15118
GI	none	Score	55
Exons	14768..14881, 14776..14880, 14960..15031, 14996..15118, 15030..15116		

Seq. No.	38786	Seq. ID	OJ000114_11.0217.C8
Gene No.	79784	Strand	+
Start	500	End	691
Name	OJ000114_11.0217.C8.o1.gs	Method	GENSCAN
Start	500	End	691
GI	none	Score	.99
Exons	500..691		

Seq. No.	38786	Seq. ID	OJ000114_11.0217.C8
Gene No.	79785	Strand	-
Start	25	End	550
Name	OJ000114_11.0217.C8.o1.gp	Method	AAT/GAP
Start	25	End	550
GI	uC-osflcyp081f04b1	Score	980
Exons	25..550		
GI Descrip.	'3236248 5.0e-14 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79786	Strand	+
Start	4111	End	5929
Name	OJ000114_11.0217.C9.o2.gs	Method	GENSCAN
Start	4111	End	5929
GI	none	Score	.54
Exons	4111..4155, 5744..5929		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79787	Strand	+
Start	7293	End	14159
Name	OJ000114_11.0217.C9.o1.np	Method	AAT/NAP
Start	7283	End	8746
GI	2828288	Score	230
Exons	7283..7511, 8185..8746		
GI Descrip.	(AL021687) replication A protein-like [Arabidopsis thaliana]		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79787	Strand	+
Start	7293	End	14159
Name	OJ000114_11.0217.C9.o3.gs	Method	GENSCAN
Start	7293	End	14159
GI	none	Score	.49
Exons	7293..7540, 8425..8731, 10267..10395, 10418..10818, 12130..14159		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79787	Strand	+
Start	7293	End	14159
Name	OJ000114_11.0217.C9.o2.np	Method	AAT/NAP
Start	10533	End	14086
GI	4584356	Score	1379
Exons	10533..10825, 12130..12362, 12672..14086		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79788	Strand	-
Start	4363	End	4804

Name	OJ000114_11.0217.C9.o1.gp	Method	AAT/GAP
Start	4363	End	4804
GI	LIB3432-059-P1-K1-D8	Score	705
Exons	4363..4804		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79789	Strand	
Start	8489	End	13303
Name	OJ000114_11.0217.C9.o1.tm	Method	TBLASTX:Maize
Start	8489	End	13303
GI	none	Score	178
Exons	8489..8689, 8492..8680, 12817..13083, 12818..13051, 13060..13239, 13061..13240, 13238..13303, 13255..13302		

Seq. No.	38787	Seq. ID	OJ000114_11.0217.C9
Gene No.	79790	Strand	
Start	13349	End	13939
Name	OJ000114_11.0217.C9.o2.tm	Method	TBLASTX:Maize
Start	13349	End	13939
GI	none	Score	151
Exons	13349..13525, 13598..13642, 13700..13939, 13780..13914		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79791	Strand	+
Start	84	End	1838
Name	OJ000114_11.0217.C10.o1.gs	Method	GENSCAN
Start	84	End	437
GI	none	Score	.73
Exons	84..437		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79791	Strand	+
Start	84	End	1838
Name	OJ000114_11.0217.C10.o1.np	Method	AAT/NAP
Start	108	End	1838
GI	1841864	Score	140
Exons	108..386, 1795..1838		
GI Descrip.	(U87108) nucleic acid binding protein [Trypanosoma equiperdum]		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79792	Strand	+
Start	3296	End	5826
Name	OJ000114_11.0217.C10.o2.np	Method	AAT/NAP
Start	3236	End	5823
GI	1370287	Score	439
Exons	3236..3349, 3444..3509, 4656..4702, 4839..4906, 5686..5823		
GI Descrip.	(Z73553) core protein [Pisum sativum]		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79792	Strand	+
Start	3296	End	5826
Name	OJ000114_11.0217.C10.o3.gs	Method	GENSCAN
Start	3296	End	5826
GI	none	Score	.89
Exons	3296..3349, 3444..3495, 4185..4216, 5686..5826		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79793	Strand	+
Start	8782	End	9579
Name	OJ000114_11.0217.C10.o2.gp	Method	AAT/GAP
Start	8700	End	9579
GI	281_1.R1084	Score	1226
Exons	8700..8846, 8956..9030, 9146..9579		
GI Descrip.	'2497904/sp|P93433|MT22_ORYSA 1.0e-10 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1667588 (U77294) metallothionein-like protein [Oryza sativa] >gi_2326785_emb_CAA69845_ (Y08529) metallothionein-like protein [Oryza sativa] >gi_4097338 (U57638) metallothionein-like protein [Oryza sativa] >gi_4105603 (AF048750) metallothionein [Oryza sativa]'		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79793	Strand	+
Start	8782	End	9579
Name	OJ000114_11.0217.C10.o3.np	Method	AAT/NAP
Start	8782	End	9257
GI	2497904	Score	438
Exons	8782..8846, 8956..9030, 9146..9257		
GI Descrip.	METALLOTHIONEIN-LIKE PROTEIN TYPE 2 gi|1667588 (U77294) metallothionein-like protein [Oryza sativa] gi|2326785|emb|CAA69845| (Y08529) metallothionein-like protein [Oryza sativa] gi|4097338 (U57638) metallothionein-like protein [Oryza sativa] gi|4105603 (AF048750) metallothionein [Oryza sativa]		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79793	Strand	+
Start	8782	End	9579
Name	OJ000114_11.0217.C10.o4.gs	Method	GENSCAN
Start	8782	End	9260
GI	none	Score	.79
Exons	8782..8846, 8956..9030, 9146..9260		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79794	Strand	-
Start	2109	End	2524
Name	OJ000114_11.0217.C10.o2.gs	Method	GENSCAN
Start	2109	End	2524
GI	none	Score	.76
Exons	2109..2403, 2445..2524		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79795	Strand	-
Start	5529	End	5924
Name	OJ000114_11.0217.C10.o1.tm	Method	TBLASTX:Maize
Start	3220	End	5823
GI	none	Score	187
Exons	3220..3351, 3227..3352, 3443..3505, 3444..3506, 4674..4706, 4681..4707, 4831..4905, 4831..4905, 4832..4906, 4832..4915, 5685..5813, 5686..5823		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79795	Strand	-

Start	5529	End	5924
Name	OJ000114_11.0217.C10.o1.gp	Method	AAT/GAP
Start	5529	End	5924
GI	none	Score	780
Exons	5529..5924		

Seq. No.	38788	Seq. ID	OJ000114_11.0217.C10
Gene No.	79796	Strand	
Start	8695	End	9187
Name	OJ000114_11.0217.C10.o1.tc	Method	TBLASTX:Cress
Start	8695	End	9187
GI	none	Score	47
Exons	8695..8733, 8696..8734, 8745..8786, 8747..8788, 8948..9031, 8953..9030, 8955..9041, 9138..9170, 9146..9166, 9146..9187		

Seq. No.	38789	Seq. ID	OJ000114_11.0217.C12
Gene No.	79797	Strand	-
Start	64	End	449
Name	OJ000114_11.0217.C12.o1.gp	Method	AAT/GAP
Start	64	End	449
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	64..97, 385..449		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38790	Seq. ID	OJ000114_11.0217.C13
Gene No.	79798	Strand	-
Start	243	End	2431
Name	OJ000114_11.0217.C13.o1.gs	Method	GENSCAN
Start	243	End	2431
GI	none	Score	.44
Exons	243..285, 449..473, 1489..1559, 1604..2012, 2164..2431		

Seq. No.	38791	Seq. ID	OJ000114_11.0217.C14
Gene No.	79799	Strand	+
Start	42	End	1503
Name	OJ000114_11.0217.C14.o1.gs	Method	GENSCAN
Start	42	End	1503
GI	none	Score	.86
Exons	42..89, 477..604, 686..804, 875..956, 1042..1180, 1363..1503		

Seq. No.	38792	Seq. ID	OJ000114_11.0217.C15
Gene No.	79800	Strand	+
Start	2	End	1460
Name	OJ000114_11.0217.C15.o1.gs	Method	GENSCAN
Start	2	End	1460
GI	none	Score	.9
Exons	2..58, 132..260, 336..518, 734..856, 1278..1460		

Seq. No.	38792	Seq. ID	OJ000114_11.0217.C15
Gene No.	79801	Strand	+
Start	3191	End	3995
Name	OJ000114_11.0217.C15.o2.gs	Method	GENSCAN
Start	3191	End	3995
GI	none	Score	.84
Exons	3191..3240, 3332..3475, 3512..3637, 3852..3995		

Seq. No.	38792	Seq. ID	OJ000114_11.0217.C15
Gene No.	79802	Strand	-
Start	2000	End	2560
Name	OJ000114_11.0217.C15.o1.gp	Method	AAT/GAP
Start	2000	End	2535
GI	3107086	Score	781
Exons	2000..2419, 2498..2535		

Seq. No.	38792	Seq. ID	OJ000114_11.0217.C15
Gene No.	79802	Strand	-
Start	2000	End	2560
Name	OJ000114_11.0217.C15.o2.gp	Method	AAT/GAP
Start	2000	End	2533
GI	3107086	Score	777
Exons	2000..2419, 2498..2533		

Seq. No.	38792	Seq. ID	OJ000114_11.0217.C15
Gene No.	79802	Strand	-
Start	2000	End	2560
Name	OJ000114_11.0217.C15.o3.gp	Method	AAT/GAP
Start	2027	End	2560
GI	3107086	Score	808
Exons	2027..2419, 2498..2560		

Seq. No.	38793	Seq. ID	OJ000114_11.0217.C16
Gene No.	79803	Strand	+
Start	1	End	623
Name	OJ000114_11.0217.C16.o1.np	Method	AAT/NAP
Start	1	End	623
GI	4585985	Score	325
Exons	1..623		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38793	Seq. ID	OJ000114_11.0217.C16
Gene No.	79803	Strand	+
Start	1	End	623
Name	OJ000114_11.0217.C16.o1.gs	Method	GENSCAN
Start	90	End	479
GI	none	Score	.64
Exons	90..479		

Seq. No.	38793	Seq. ID	OJ000114_11.0217.C16
Gene No.	79803	Strand	+
Start	1	End	623
Name	OJ000114_11.0217.C16.o1.tw	Method	TBLASTX:Wheat
Start	162	End	598
GI	none	Score	412
Exons	162..470, 167..469, 184..477, 566..598	232..471, 478..582, 479..559,	

Seq. No.	38793	Seq. ID	OJ000114_11.0217.C16
Gene No.	79803	Strand	+
Start	1	End	623
Name	OJ000114_11.0217.C16.o1.tm	Method	TBLASTX:Maize
Start	198	End	592
GI	none	Score	202

Exons	198..476, 209..457, 366..464, 485..592		
Seq. No.	38794	Seq. ID	OJ000114_11.0217.C17
Gene No.	79804	Strand	-
Start	90	End	186
Name	OJ000114_11.0217.C17.o1.gp	Method	AAT/GAP
Start	90	End	186
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	90..186		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79805	Strand	+
Start	1	End	1618
Name	OJ000114_11.0217.C18.o1.np	Method	AAT/NAP
Start	1	End	1618
GI	6862956	Score	1228
Exons	1..1618		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79806	Strand	+
Start	5122	End	7920
Name	OJ000114_11.0217.C18.o3.gs	Method	GENSCAN
Start	5122	End	7920
GI	none	Score	.89
Exons	5122..6408, 6934..7261, 7805..7920		
Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79806	Strand	+
Start	5122	End	7920
Name	OJ000114_11.0217.C18.o2.np	Method	AAT/NAP
Start	5797	End	7917
GI	3927836	Score	818
Exons	5797..6408, 6695..6808, 6997..7261, 7805..7917		
GI Descrip.	(AC005727) unknown protein [Arabidopsis thaliana]		
Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79806	Strand	+
Start	5122	End	7920
Name	OJ000114_11.0217.C18.o1.gp	Method	AAT/GAP
Start	6156	End	6792
GI	LIB3433-048-P1-K1-A1	Score	529
Exons	6156..6408, 6695..6792		
GI Descrip.	'3047082 2.0e-59 (AF058914) similar to Vigna radiata pectinacetylesterase precursor (GB:X99348) [Arabidopsis thaliana]'		
Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79807	Strand	+
Start	9292	End	11267
Name	OJ000114_11.0217.C18.o4.gs	Method	GENSCAN
Start	9292	End	10371
GI	none	Score	.87
Exons	9292..9532, 9585..9712, 10242..10371		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79807	Strand	+
Start	9292	End	11267
Name	OJ000114_11.0217.C18.o3.np	Method	AAT/NAP
Start	9304	End	11267
GI	6478931	Score	343
Exons	9304..9532, 9630..9712, 10242..10371, 10999..11078, 11164..11267		
GI Descrip.	(AC011436) putative pectinacetylesterase [Arabidopsis thaliana]		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79807	Strand	+
Start	9292	End	11267
Name	OJ000114_11.0217.C18.o2.gp	Method	AAT/GAP
Start	9367	End	11267
GI	5005352	Score	1013
Exons	9367..9532, 9630..9712, 10242..10371, 10999..11078, 11164..11267		
GI Descrip.	3047082 2.0e-59 (AF058914) similar to Vigna radiata pectinacetylesterase precursor (GB:X99348) [Arabidopsis thaliana]		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79808	Strand	-
Start	2194	End	3150
Name	OJ000114_11.0217.C18.o1.tm	Method	TBLASTX:Maize
Start	529	End	916
GI	none	Score	306
Exons	529..897, 530..916		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79808	Strand	-
Start	2194	End	3150
Name	OJ000114_11.0217.C18.o3.tc	Method	TBLASTX:Cress
Start	1187	End	1446
GI	none	Score	184
Exons	1187..1444, 1198..1446		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79808	Strand	-
Start	2194	End	3150
Name	OJ000114_11.0217.C18.o5.tm	Method	TBLASTX:Maize
Start	1190	End	1510
GI	none	Score	169
Exons	1190..1429, 1192..1317, 1426..1509, 1436..1510		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79808	Strand	-
Start	2194	End	3150
Name	OJ000114_11.0217.C18.o3.ts	Method	TBLASTX:Soybean
Start	1436	End	1618
GI	none	Score	196
Exons	1436..1618, 1438..1593		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79808	Strand	-
Start	2194	End	3150
Name	OJ000114_11.0217.C18.o2.gs	Method	GENSCAN

Start	2194	End	3150
GI	none	Score	.89
Exons	2194..2317, 2383..2494, 2889..3150		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79809	Strand	
Start	5791	End	5976
Name	OJ000114_11.0217.C18.o2.ts	Method	TBLASTX:Soybean
Start	5791	End	5970
GI	none	Score	248
Exons	5791..5970, 5805..5933		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79809	Strand	
Start	5791	End	5976
Name	OJ000114_11.0217.C18.o2.tc	Method	TBLASTX:Cress
Start	5799	End	5976
GI	none	Score	252
Exons	5799..5933, 5800..5976		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79809	Strand	
Start	5791	End	5976
Name	OJ000114_11.0217.C18.o4.tm	Method	TBLASTX:Maize
Start	5800	End	5970
GI	none	Score	227
Exons	5800..5970, 5805..5942		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79810	Strand	
Start	6730	End	7959
Name	OJ000114_11.0217.C18.o1.tc	Method	TBLASTX:Cress
Start	6730	End	7911
GI	none	Score	94
Exons	6730..6801, 6731..6808, 6984..7211, 6993..7157, 6994..7248, 7855..7911		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79810	Strand	
Start	6730	End	7959
Name	OJ000114_11.0217.C18.o1.ts	Method	TBLASTX:Soybean
Start	6746	End	7959
GI	none	Score	87
Exons	6746..6808, 6993..7211, 6994..7263, 7804..7959, 7805..7921, 7818..7925		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79810	Strand	
Start	6730	End	7959
Name	OJ000114_11.0217.C18.o2.tm	Method	TBLASTX:Maize
Start	6755	End	7919
GI	none	Score	74
Exons	6755..6808, 6994..7263, 6996..7211, 7803..7919, 7804..7914		

Seq. No.	38795	Seq. ID	OJ000114_11.0217.C18
Gene No.	79811	Strand	
Start	10239	End	11256

Name	OJ000114_11.0217.C18.o3.tm	Method	TBLASTX:Maize
Start	10239	End	11256
GI	none	Score	113
Exons	10239..10367, 10241..10372, 10241..10384, 10242..10379, 10966..11079, 10987..11055, 10997..11098, 10998..11099, 11157..11252, 11157..11255, 11158..11256		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79812	Strand	+
Start	1	End	2120
Name	OJ000114_11.0217.C19.o1.gp	Method	AAT/GAP
Start	1	End	110
GI	5005352	Score	184
Exons	1..110		
GI Descrip.	3047082 2.0e-59 (AF058914) similar to Vigna radiata pectinacetylesterase precursor (GB:X99348) [Arabidopsis thaliana]		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79812	Strand	+
Start	1	End	2120
Name	OJ000114_11.0217.C19.o1.np	Method	AAT/NAP
Start	1	End	2120
GI	6478931	Score	529
Exons	1..105, 664..750, 901..1015, 1098..1203, 1295..1440, 2016..2120		
GI Descrip.	(AC011436) putative pectinacetylesterase [Arabidopsis thaliana]		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79812	Strand	+
Start	1	End	2120
Name	OJ000114_11.0217.C19.o1.gs	Method	GENSCAN
Start	664	End	1460
GI	none	Score	.65
Exons	664..724, 801..851, 938..1015, 1428..1460		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79813	Strand	+
Start	3744	End	4231
Name	OJ000114_11.0217.C19.o2.gp	Method	AAT/GAP
Start	3744	End	4231
GI	none	Score	928
Exons	3744..4231		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o3.ts	Method	TBLASTX:Soybean
Start	46	End	1427
GI	none	Score	79
Exons	46..117, 47..103, 665..724, 935..1018, 935..1018, 1092..1199, 1095..1205, 1297..1422, 1326..1427		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o2.tm	Method	TBLASTX:Maize
Start	626	End	1329

GI	none	Score	86
Exons	626..724, 672..725, 796..849, 797..850, 798..851, 934..1014, 934..1017, 935..1018, 935..1018, 1092..1235, 1095..1205, 1102..1209, 1297..1329		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o2.tc	Method	TBLASTX:Cress
Start	938	End	2102
GI	none	Score	93
Exons	938..1018, 940..1014, 1092..1205, 1294..1437, 2019..2087, 2088..2102		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o3.tm	Method	TBLASTX:Maize
Start	1293	End	2134
GI	none	Score	163
Exons	1293..1439, 1333..1440, 2013..2117, 2015..2134, 2016..2132, 2035..2133		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o3.gs	Method	GENSCAN
Start	4499	End	6166
GI	none	Score	.86
Exons	4499..4903, 5029..5290, 5586..5693, 6045..6166		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o1.tm	Method	TBLASTX:Maize
Start	4505	End	6167
GI	none	Score	41
Exons	4505..4558, 4550..4585, 4553..4906, 4557..4586, 4570..4671, 4580..4672, 4713..4901, 4793..4906, 5093..5290, 5095..5292, 5095..5289, 5180..5293, 5584..5682, 5585..5692, 5586..5702, 5591..5680, 5612..5686, 5797..5928, 5806..5946, 5807..5947, 5836..5910, 6044..6166, 6045..6167		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o2.np	Method	AAT/NAP
Start	4508	End	6264
GI	3927831	Score	984
Exons	4508..4903, 5029..5290, 5586..5693, 5807..5947, 6045..6264		
GI Descrip.	(AC005727) putative RING zinc finger ankyrin protein [Arabidopsis thaliana]		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o2.ts	Method	TBLASTX:Soybean

Start	4550	End	5292
GI	none	Score	98
Exons	4550..4909, 4684..4884, 4704..4904, 5069..5287, 5077..5292, 5086..5289		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o1.tw	Method	TBLASTX:Wheat
Start	4694	End	5244
GI	none	Score	251
Exons	4694..4915, 4711..4905, 5028..5129, 5028..5216, 5056..5244, 5089..5244		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o1.tc	Method	TBLASTX:Cress
Start	4805	End	6178
GI	none	Score	94
Exons	4805..4909, 4809..4904, 4814..4906, 5069..5290, 5076..5219, 5077..5292, 5086..5289, 5165..5290, 5543..5686, 5585..5689, 5586..5693, 5806..5946, 5807..5947, 5836..5913, 5836..5910, 6044..6178, 6051..6167		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o3.gp	Method	AAT/GAP
Start	5056	End	6166
GI	26024_1.R1084	Score	1141
Exons	5056..5290, 5586..5693, 5807..5947, 6045..6166		
GI Descrip.	'3927831 2.0e-98 (AC005727) similar to mouse ankyrin 3 [Arabidopsis thaliana]'		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o2.tw	Method	TBLASTX:Wheat
Start	5572	End	5910
GI	none	Score	170
Exons	5572..5691, 5573..5692, 5574..5693, 5750..5848, 5806..5847, 5836..5910		

Seq. No.	38796	Seq. ID	OJ000114_11.0217.C19
Gene No.	79814	Strand	-
Start	4499	End	6264
Name	OJ000114_11.0217.C19.o1.ts	Method	TBLASTX:Soybean
Start	5575	End	6167
GI	none	Score	96
Exons	5575..5727, 5579..5728, 5585..5692, 5806..5946, 5807..5977, 5830..5931, 5836..5910, 6044..6166, 6048..6167		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79815	Strand	+
Start	26	End	702
Name	OJ000114_11.0217.C20.o1.gs	Method	GENSCAN

Start	26	End	702
GI	none	Score	.83
Exons	26..91, 688..702		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79816	Strand	-
Start	1	End	186
Name	OJ000114_11.0217.C20.o1.gp	Method	AAT/GAP
Start	1	End	186
GI	26024_1.R1084	Score	334
Exons	1..186		
GI Descrip.	'3927831 2.0e-98 (AC005727) similar to mouse ankyrin 3 [Arabidopsis thaliana]'		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79817	Strand	-
Start	5760	End	7508
Name	OJ000114_11.0217.C20.o1.np	Method	AAT/NAP
Start	5736	End	7508
GI	2864615	Score	1235
Exons	5736..7508		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79817	Strand	-
Start	5760	End	7508
Name	OJ000114_11.0217.C20.o2.gs	Method	GENSCAN
Start	5760	End	7505
GI	none	Score	1
Exons	5760..7505		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79818	Strand	-
Start	7720	End	7826
Name	OJ000114_11.0217.C20.o2.gp	Method	AAT/GAP
Start	7720	End	7826
GI	none	Score	214
Exons	7720..7826		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79819	Strand	-
Start	8378	End	9678
Name	OJ000114_11.0217.C20.o3.gs	Method	GENSCAN
Start	8378	End	9678
GI	none	Score	.48
Exons	8378..8400, 8477..8482, 9621..9678		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o1.ts	Method	TBLASTX:Soybean
Start	5787	End	6845
GI	none	Score	88
Exons	5787..6005, 5827..5979, 6063..6299, 6160..6306, 6306..6362, 6570..6845, 6655..6840, 6729..6845		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20

Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o1.tc	Method	TBLASTX:Cress
Start	5808	End	6215
GI	none	Score	68
Exons	5808..6005, 5926..6003, 6063..6215		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o1.tm	Method	TBLASTX:Maize
Start	5826	End	7520
GI	none	Score	116
Exons	5826..6005, 5848..6003, 6081..6311, 6172..6309, 6291..6362, 6417..6578, 6549..6893, 6655..6969, 7047..7148, 7168..7203, 7173..7520, 7192..7272, 7339..7389		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o1.tw	Method	TBLASTX:Wheat
Start	6291	End	6728
GI	none	Score	159
Exons	6291..6362, 6417..6518, 6552..6728		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o3.tc	Method	TBLASTX:Cress
Start	6558	End	6915
GI	none	Score	108
Exons	6558..6890, 6655..6915		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o4.tc	Method	TBLASTX:Cress
Start	7224	End	7508
GI	none	Score	91
Exons	7224..7508, 7339..7500		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o3.ts	Method	TBLASTX:Soybean
Start	7320	End	7502
GI	none	Score	91
Exons	7320..7502, 7339..7500		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o4.gs	Method	GENSCAN
Start	13666	End	16480
GI	none	Score	.73
Exons	13666..13784, 15520..16480		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o3.gp	Method	AAT/GAP
Start	14284	End	14375
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	14284..14375		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o2.np	Method	AAT/NAP
Start	15506	End	16351
GI	2130125	Score	772
Exons	15506..16351		
GI Descrip.	DNA-binding protein Dof3 - maize (fragment) gi|1061308|emb|CAA56288| (X79935) Dof3 gene [Zea mays]		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o2.tc	Method	TBLASTX:Cress
Start	16085	End	16310
GI	none	Score	94
Exons	16085..16309, 16179..16310		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o2.tm	Method	TBLASTX:Maize
Start	16085	End	16295
GI	none	Score	96
Exons	16085..16258, 16179..16295		

Seq. No.	38797	Seq. ID	OJ000114_11.0217.C20
Gene No.	79820	Strand	-
Start	13666	End	16480
Name	OJ000114_11.0217.C20.o2.ts	Method	TBLASTX:Soybean
Start	16094	End	16327
GI	none	Score	128
Exons	16094..16327, 16179..16316		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79821	Strand	+
Start	275	End	523
Name	OJ000114_17.0225.C3.o1.gs	Method	GENSCAN
Start	275	End	523
GI	none	Score	.99
Exons	275..523		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79822	Strand	-
Start	948	End	1935
Name	OJ000114_17.0225.C3.o1.ts	Method	TBLASTX:Soybean

Start	942	End	1187
GI	none	Score	51
Exons	942..1187, 946..978, 1015..1185, 1020..1187		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79822	Strand	-
Start	948	End	1935
Name	OJ000114_17.0225.C3.o1.np	Method	AAT/NAP
Start	948	End	1935
GI	4544372	Score	453
Exons	948..1935		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79822	Strand	-
Start	948	End	1935
Name	OJ000114_17.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	963	End	1370
GI	none	Score	207
Exons	963..1370		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79822	Strand	-
Start	948	End	1935
Name	OJ000114_17.0225.C3.o2.gs	Method	GENSCAN
Start	1059	End	1562
GI	none	Score	.94
Exons	1059..1562		

Seq. No.	38798	Seq. ID	OJ000114_17.0225.C3
Gene No.	79822	Strand	-
Start	948	End	1935
Name	OJ000114_17.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	1920
GI	none	Score	91
Exons	1651..1920, 1712..1828		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	1462
GI	4206306	Score	516
Exons	1..1462		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	24	End	485
GI	none	Score	520
Exons	24..485, 24..413, 26..484		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+

Start	1	End	1462
Name	OJ000114_17.0225.C4.o1.gs	Method	GENSCAN
Start	39	End	1357
GI	none	Score	.49
Exons	39..697, 737..989, 1079..1357		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o1.tw	Method	TBLASTX:Wheat
Start	129	End	554
GI	none	Score	223
Exons	129..491, 134..487, 453..554		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	171	End	641
GI	none	Score	215
Exons	171..452, 189..416, 453..641, 497..628		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o2.ts	Method	TBLASTX:Soybean
Start	792	End	1189
GI	none	Score	154
Exons	792..929, 794..934, 950..1033, 951..1034, 1010..1066, 1070..1189		

Seq. No.	38799	Seq. ID	OJ000114_17.0225.C4
Gene No.	79823	Strand	+
Start	1	End	1462
Name	OJ000114_17.0225.C4.o2.tw	Method	TBLASTX:Wheat
Start	837	End	1222
GI	none	Score	74
Exons	837..926, 966..1040, 1070..1222		

Seq. No.	38800	Seq. ID	OJ000114_17.0225.C5
Gene No.	79824	Strand	-
Start	617	End	1010
Name	OJ000114_17.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	540	End	878
GI	none	Score	182
Exons	540..878		

Seq. No.	38800	Seq. ID	OJ000114_17.0225.C5
Gene No.	79824	Strand	-
Start	617	End	1010
Name	OJ000114_17.0225.C5.o1.gs	Method	GENSCAN
Start	617	End	1010
GI	none	Score	.5
Exons	617..1010		

Seq. No.	38801	Seq. ID	OJ000114_17.0225.C6
Gene No.	79825	Strand	+
Start	3027	End	3931

Name	OJ000114_17.0225.C6.o2.np	Method	AAT/NAP
Start	3027	End	3931
GI	5852178	Score	447
Exons	3027..3327, 3359..3463, 3837..3931		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	38801	Seq. ID	OJ000114_17.0225.C6
Gene No.	79826	Strand	-
Start	12	End	8367
Name	OJ000114_17.0225.C6.o1.gs	Method	GENSCAN
Start	12	End	8367
GI	none	Score	.68
Exons	12..578, 1053..1135, 1620..1736, 1979..2081, 2867..3608, 5361..5528, 6998..7057, 7087..7432, 7453..7761, 7966..8233, 8302..8367		

Seq. No.	38801	Seq. ID	OJ000114_17.0225.C6
Gene No.	79826	Strand	-
Start	12	End	8367
Name	OJ000114_17.0225.C6.o1.np	Method	AAT/NAP
Start	700	End	2774
GI	5922631	Score	63
Exons	700..921, 2728..2774		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	38801	Seq. ID	OJ000114_17.0225.C6
Gene No.	79826	Strand	-
Start	12	End	8367
Name	OJ000114_17.0225.C6.o3.np	Method	AAT/NAP
Start	3248	End	7825
GI	6691193	Score	258
Exons	3248..3274, 7218..7825		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	38801	Seq. ID	OJ000114_17.0225.C6
Gene No.	79826	Strand	-
Start	12	End	8367
Name	OJ000114_17.0225.C6.o1.tw	Method	TBLASTX:Wheat
Start	7433	End	7789
GI	none	Score	113
Exons	7433..7603, 7646..7789		

Seq. No.	38802	Seq. ID	OJ000114_17.0225.C7
Gene No.	79827	Strand	+
Start	111	End	679
Name	OJ000114_17.0225.C7.o1.gp	Method	AAT/GAP
Start	111	End	679
GI	4879016	Score	852
Exons	111..679		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,		

complete sequence

Seq. No.	38803	Seq. ID	OJ000114_17.0225.C8
Gene No.	79828	Strand	+
Start	44	End	1991
Name	OJ000114_17.0225.C8.o1.gs	Method	GENSCAN
Start	44	End	1991
GI	none	Score	.85
Exons	44..84, 1142..1195, 1294..1445, 1885..1991		

Seq. No.	38803	Seq. ID	OJ000114_17.0225.C8
Gene No.	79828	Strand	+
Start	44	End	1991
Name	OJ000114_17.0225.C8.o1.np	Method	AAT/NAP
Start	1292	End	1492
GI	4680186	Score	339
Exons	1292..1492		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38803	Seq. ID	OJ000114_17.0225.C8
Gene No.	79829	Strand	-
Start	1044	End	1425
Name	OJ000114_17.0225.C8.o1.gp	Method	AAT/GAP
Start	1044	End	1425
GI	uC-osflcyp033a04b1	Score	655
Exons	1044..1425		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38803	Seq. ID	OJ000114_17.0225.C8
Gene No.	79830	Strand	-
Start	1884	End	3631
Name	OJ000114_17.0225.C8.o2.np	Method	AAT/NAP
Start	1884	End	3631
GI	6907087	Score	934
Exons	1884..1985, 2525..3210, 3255..3631		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79831	Strand	+
Start	387	End	14506
Name	OJ000114_17.0225.C9.o1.gs	Method	GENSCAN
Start	387	End	8568
GI	none	Score	.68
Exons	387..503, 580..666, 1909..2060, 2813..4307, 4404..5270, 5541..5890, 5901..6386, 6401..6616, 6727..7199, 8456..8568		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79831	Strand	+
Start	387	End	14506
Name	OJ000114_17.0225.C9.o1.np	Method	AAT/NAP
Start	1494	End	7237
GI	5295971	Score	3194
Exons	1494..1516, 2966..3921, 3970..7237		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the		

predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79831	Strand	+
Start	387	End	14506
Name	OJ000114_17.0225.C9.o2.np	Method	AAT/NAP
Start	8214	End	10577
GI	5852180	Score	648
Exons	8214..8267, 9251..9368, 9419..9828, 10534..10577		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79831	Strand	+
Start	387	End	14506
Name	OJ000114_17.0225.C9.o3.np	Method	AAT/NAP
Start	10475	End	14503
GI	6815052	Score	534
Exons	10475..10519, 13727..13946, 14028..14102, 14385..14503		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79831	Strand	+
Start	387	End	14506
Name	OJ000114_17.0225.C9.o3.gs	Method	GENSCAN
Start	13173	End	14506
GI	none	Score	.55
Exons	13173..13295, 13306..13520, 13727..13946, 13952..14102, 14385..14506		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79832	Strand	+
Start	21140	End	21554
Name	OJ000114_17.0225.C9.o4.np	Method	AAT/NAP
Start	21140	End	21554
GI	6539570	Score	191
Exons	21140..21341, 21488..21554		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79833	Strand	+
Start	26896	End	28124
Name	OJ000114_17.0225.C9.o7.gs	Method	GENSCAN
Start	26896	End	28124
GI	none	Score	.68
Exons	26896..27004, 27534..27623, 28012..28124		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79834	Strand	-
Start	8116	End	8498
Name	OJ000114_17.0225.C9.o1.gp	Method	AAT/GAP
Start	8116	End	8498
GI	uC-osflcyp033a04b1	Score	684
Exons	8116..8498		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79835	Strand	-
Start	8930	End	11440
Name	OJ000114_17.0225.C9.o2.gs	Method	GENSCAN
Start	8930	End	11327
GI	none	Score	.48
Exons	8930..9015, 9333..9482, 9576..9813, 10963..11064, 11325..11327		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79835	Strand	-
Start	8930	End	11440
Name	OJ000114_17.0225.C9.o3.gp	Method	AAT/GAP
Start	11168	End	11440
GI	61605_1.R1084	Score	474
Exons	11168..11440		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79836	Strand	-
Start	15853	End	18537
Name	OJ000114_17.0225.C9.o4.gs	Method	GENSCAN
Start	15853	End	18537
GI	none	Score	.47
Exons	15853..15923, 16135..16516, 16958..17063, 17923..17956, 18435..18537		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o6.tm	Method	TBLASTX:Maize
Start	1534	End	15719
GI	none	Score	43
Exons	1534..1635, 1642..2055, 1671..1724, 1720..2043, 15401..15499, 15612..15719		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o5.tw	Method	TBLASTX:Wheat
Start	3129	End	3524
GI	none	Score	200
Exons	3129..3524		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o7.tm	Method	TBLASTX:Maize
Start	3222	End	3530
GI	none	Score	220
Exons	3222..3530, 3224..3475, 3231..3506		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o5.tm	Method	TBLASTX:Maize
Start	4014	End	4484

GI	none	Score	51
Exons	4014..4082, 4020..4085, 4077..4484, 4091..4279		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o3.tw	Method	TBLASTX:Wheat
Start	4098	End	4544
GI	none	Score	267
Exons	4098..4463, 4118..4465, 4464..4544		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o5.ts	Method	TBLASTX:Soybean
Start	4488	End	4796
GI	none	Score	216
Exons	4488..4796, 4514..4678, 4584..4664		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o1.tw	Method	TBLASTX:Wheat
Start	4632	End	5183
GI	none	Score	342
Exons	4632..5087, 4838..5077, 5094..5183		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o3.tm	Method	TBLASTX:Maize
Start	4832	End	5255
GI	none	Score	373
Exons	4832..5152, 4833..5171, 5193..5255, 5196..5255		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o3.tc	Method	TBLASTX:Cress
Start	4848	End	5318
GI	none	Score	253
Exons	4848..5318		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o3.ts	Method	TBLASTX:Soybean
Start	4857	End	5333
GI	none	Score	401
Exons	4857..5333, 4862..5152		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o2.ts	Method	TBLASTX:Soybean
Start	5595	End	6183
GI	5509260	Score	34

Exons	5595..5657, 5670..5894, 5807..5893, 5887..6183, 6006..6080, 6114..6179		
GI Descrip.	-		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o4.tm	Method	TBLASTX:Maize
Start	5712	End	6030
GI	none	Score	231
Exons	5712..5894, 5714..5890, 5887..6030, 5905..6018, 5907..6029		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o2.tw	Method	TBLASTX:Wheat
Start	5721	End	6168
GI	none	Score	49
Exons	5721..5792, 5850..6164, 5887..6168		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o4.tc	Method	TBLASTX:Cress
Start	5805	End	6069
GI	none	Score	105
Exons	5805..5894, 5887..6069		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o4.tw	Method	TBLASTX:Wheat
Start	6357	End	6713
GI	none	Score	93
Exons	6357..6509, 6533..6709, 6537..6713		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o2.tm	Method	TBLASTX:Maize
Start	6498	End	6955
GI	none	Score	252
Exons	6498..6698, 6501..6692, 6512..6709, 6753..6914, 6758..6955, 6763..6954		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o2.tc	Method	TBLASTX:Cress
Start	6528	End	7204
GI	none	Score	154
Exons	6528..6719, 6549..6638, 6724..6822, 6746..6838, 6829..6954, 6830..6955, 6953..7204, 6994..7200		
Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465

Name	OJ000114_17.0225.C9.o4.ts	Method	TBLASTX:Soybean
Start	6558	End	7213
GI	none	Score	128
Exons	6558..6689, 6758..7213, 6760..7002, 7024..7161		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o8.tm	Method	TBLASTX:Maize
Start	6956	End	7201
GI	none	Score	191
Exons	6956..7201, 6961..7083		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o8.gs	Method	GENSCAN
Start	28371	End	29601
GI	none	Score	.47
Exons	28371..28509, 28681..28784, 28833..29601		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o6.gp	Method	AAT/GAP
Start	28470	End	28776
GI	286807	Score	614
Exons	28470..28776		
GI Descrip.	118241/sp|P26259|DAPA_MAIZE 2.0e-10 DIHYDRODIPICOLINATE SYNTHASE PRECURSOR (DHDPS)		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o1.tc	Method	TBLASTX:Cress
Start	28674	End	29654
GI	none	Score	515
Exons	28674..29654, 28674..29603, 29189..29647		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o1.ts	Method	TBLASTX:Soybean
Start	28674	End	29612
GI	none	Score	39
Exons	28674..29612, 28685..28717, 28738..29334, 29378..29431, 29380..29439, 29489..29557, 29491..29604		

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o5.np	Method	AAT/NAP
Start	28677	End	30465
GI	118236	Score	1544
Exons	28677..29601, 30207..30296, 30429..30465		
GI Descrip.	DIHYDRODIPICOLINATE SYNTHASE 1 PRECURSOR (DHDPS) gi|68224|pir||WZWTH7 dihydrodipicolinate synthase (EC 4.2.1.52)		

precursor (clone pDA17) - wheat gi|170680 (M60598)
dihydrodipicolinate synthase [Triticum aestivum]

Seq. No.	38804	Seq. ID	OJ000114_17.0225.C9
Gene No.	79837	Strand	-
Start	28371	End	30465
Name	OJ000114_17.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	28761	End	30286
GI	none	Score	790
Exons	28761..29603, 28767..29603, 29489..29611, 30197..30280, 30201..30281, 30206..30286		

Seq. No.	38805	Seq. ID	OJ000114_17.0225.C10
Gene No.	79838	Strand	-
Start	1901	End	2068
Name	OJ000114_17.0225.C10.o1.np	Method	AAT/NAP
Start	1901	End	2068
GI	6721516	Score	78
Exons	1901..2068		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79839	Strand	+
Start	5514	End	6309
Name	OJ000114_17.0225.C11.o2.np	Method	AAT/NAP
Start	4368	End	5770
GI	5852181	Score	134
Exons	4368..4513, 5706..5770		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79839	Strand	+
Start	5514	End	6309
Name	OJ000114_17.0225.C11.o2.gs	Method	GENSCAN
Start	5514	End	6309
GI	none	Score	.65
Exons	5514..5564, 6172..6309		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79840	Strand	+
Start	6915	End	11838
Name	OJ000114_17.0225.C11.o3.np	Method	AAT/NAP
Start	6879	End	11838
GI	6815097	Score	500
Exons	6879..7786, 11803..11838		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79840	Strand	+
Start	6915	End	11838
Name	OJ000114_17.0225.C11.o3.gs	Method	GENSCAN
Start	6915	End	7766
GI	none	Score	.97
Exons	6915..7766		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11

Gene No.	79841	Strand	-
Start	919	End	2284
Name	OJ000114_17.0225.C11.o1.gs	Method	GENSCAN
Start	919	End	2284
GI	none	Score	.68
Exons	919..1133, 1693..1826, 2031..2284		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79842	Strand	-
Start	7956	End	24319
Name	OJ000114_17.0225.C11.o4.gs	Method	GENSCAN
Start	7956	End	24319
GI	none	Score	.41
Exons	7956..8063, 8221..8272, 8646..8754, 10196..10321, 12131..12211, 12321..12407, 12461..12488, 14165..14188, 14529..14625, 15393..15464, 16889..17021, 17067..17159, 17252..17428, 17766..17917, 18380..18678, 19633..20025, 20107..20182, 20210..20469, 20581..21186, 21214..21446, 21654..21758, 21972..22560, 22639..22773, 22922..22967, 23992..24089, 24146..24319		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79842	Strand	-
Start	7956	End	24319
Name	OJ000114_17.0225.C11.o1.gp	Method	AAT/GAP
Start	12717	End	12975
GI	61605_3.R1084	Score	412
Exons	12717..12975		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79842	Strand	-
Start	7956	End	24319
Name	OJ000114_17.0225.C11.o3.gp	Method	AAT/GAP
Start	13963	End	14207
GI	101153_1.R1084	Score	350
Exons	13963..14207		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79842	Strand	-
Start	7956	End	24319
Name	OJ000114_17.0225.C11.o4.np	Method	AAT/NAP
Start	18188	End	22773
GI	4680179	Score	6290
Exons	18188..22773		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79842	Strand	-
Start	7956	End	24319
Name	OJ000114_17.0225.C11.o4.gp	Method	AAT/GAP
Start	23569	End	23649
GI	61605_1.R1084	Score	116
Exons	23569..23649		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o2.tc	Method	TBLASTX:Cress
Start	6945	End	7217
GI	none	Score	187
Exons	6945..7217, 7028..7198		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o6.tw	Method	TBLASTX:Wheat
Start	18233	End	18565
GI	none	Score	78
Exons	18233..18361, 18364..18564, 18428..18565		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	18424	End	19011
GI	none	Score	158
Exons	18424..18693, 18425..18685, 18754..18852, 18755..18850, 18850..19011, 18857..19003		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o3.tw	Method	TBLASTX:Wheat
Start	18565	End	19191
GI	none	Score	333
Exons	18565..18693, 18566..19135, 18754..19191		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o3.tm	Method	TBLASTX:Maize
Start	19060	End	19351
GI	none	Score	237
Exons	19060..19350, 19064..19351		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o2.ts	Method	TBLASTX:Soybean
Start	19150	End	19410
GI	none	Score	165
Exons	19150..19410, 19151..19405		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	19174	End	19500

GI	none	Score	97
Exons	19174..19317, 19175..19315, 19318..19500		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o1.tw	Method	TBLASTX:Wheat
Start	19198	End	19725
GI	none	Score	336
Exons	19198..19725, 19199..19696		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	19760	End	20118
GI	none	Score	161
Exons	19760..20095, 19765..20118, 19780..20067, 19850..20116		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o2.tw	Method	TBLASTX:Wheat
Start	19765	End	20190
GI	none	Score	298
Exons	19765..20190, 19771..20157, 19847..20158		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o6.tm	Method	TBLASTX:Maize
Start	20125	End	20461
GI	none	Score	114
Exons	20125..20457, 20204..20461		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	20197	End	20601
GI	none	Score	109
Exons	20197..20460, 20206..20457, 20207..20494, 20226..20501, 20423..20563, 20488..20565, 20521..20565, 20540..20572, 20557..20601, 20569..20601		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o5.tw	Method	TBLASTX:Wheat
Start	20201	End	20493
GI	none	Score	241
Exons	20201..20329, 20206..20454, 20207..20491, 20218..20493, 20411..20482, 20412..20483		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489

Name	OJ000114_17.0225.C11.o4.tm	Method	TBLASTX:Maize
Start	20518	End	20959
GI	none	Score	118
Exons	20518..20955, 20521..20925, 20714..20959		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o4.tw	Method	TBLASTX:Wheat
Start	20542	End	21028
GI	none	Score	305
Exons	20542..21024, 20585..21028		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o8.tw	Method	TBLASTX:Wheat
Start	21205	End	21552
GI	none	Score	55
Exons	21205..21552, 21226..21369		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o8.tm	Method	TBLASTX:Maize
Start	21286	End	21606
GI	none	Score	200
Exons	21286..21606		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o7.tm	Method	TBLASTX:Maize
Start	21961	End	22257
GI	none	Score	87
Exons	21961..22257, 21973..22167, 22070..22240		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o7.tw	Method	TBLASTX:Wheat
Start	22138	End	22498
GI	none	Score	93
Exons	22138..22497, 22139..22372, 22397..22498		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489
Name	OJ000114_17.0225.C11.o5.np	Method	AAT/NAP
Start	24811	End	25196
GI	6721515	Score	235
Exons	24811..25196		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	38806	Seq. ID	OJ000114_17.0225.C11
Gene No.	79843	Strand	-
Start	24811	End	25489

Name	OJ000114_17.0225.C11.o5.tm	Method	TBLASTX:Maize
Start	24826	End	25489
GI	none	Score	45
Exons	24826..24963, 24973..25131, 24985..25125, 25109..25189, 25228..25488, 25232..25378, 25234..25389, 25423..25485, 25430..25489		

Seq. No.	38807	Seq. ID	OJ000114_17.0225.C12
Gene No.	79844	Strand	-
Start	1	End	1392
Name	OJ000114_17.0225.C12.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	479357	Score	597
Exons	1..56, 414..1392		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	38807	Seq. ID	OJ000114_17.0225.C12
Gene No.	79844	Strand	-
Start	1	End	1392
Name	OJ000114_17.0225.C12.o1.gs	Method	GENSCAN
Start	13	End	1071
GI	none	Score	.84
Exons	13..290, 633..824, 1050..1071		

Seq. No.	38807	Seq. ID	OJ000114_17.0225.C12
Gene No.	79844	Strand	-
Start	1	End	1392
Name	OJ000114_17.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	481	End	670
GI	none	Score	126
Exons	481..669, 506..670		

Seq. No.	38807	Seq. ID	OJ000114_17.0225.C12
Gene No.	79844	Strand	-
Start	1	End	1392
Name	OJ000114_17.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	671	End	957
GI	none	Score	213
Exons	671..928, 673..957, 679..930		

Seq. No.	38808	Seq. ID	OJ000114_17.0225.C13
Gene No.	79845	Strand	+
Start	288	End	509
Name	OJ000114_17.0225.C13.o1.gs	Method	GENSCAN
Start	288	End	509
GI	none	Score	.69
Exons	288..509		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79846	Strand	+
Start	1	End	1008
Name	OJ000114_16.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	849
GI	4538896	Score	754
Exons	1..849		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79846	Strand	+
Start	1	End	1008
Name	OJ000114_16.0225.C1.o1.gs	Method	GENSCAN
Start	181	End	1008
GI	none	Score	.47
Exons	181..1008		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79847	Strand	+
Start	16721	End	16825
Name	OJ000114_16.0225.C1.o1.gp	Method	AAT/GAP
Start	16721	End	16825
GI	LIB3477-003-P1-K1-E9	Score	175
Exons	16721..16825		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79848	Strand	-
Start	1393	End	4942
Name	OJ000114_16.0225.C1.o2.gs	Method	GENSCAN
Start	1393	End	4942
GI	none	Score	.51
Exons	1393..1633, 2552..2644, 3291..3552, 4031..4078, 4130..4274, 4447..4636, 4791..4942		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79849	Strand	-
Start	5787	End	9275
Name	OJ000114_16.0225.C1.o3.gs	Method	GENSCAN
Start	5787	End	9275
GI	none	Score	.47
Exons	5787..5816, 6909..7037, 9138..9275		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79850	Strand	-
Start	10272	End	16041
Name	OJ000114_16.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	520	End	939
GI	none	Score	158
Exons	520..753, 663..857, 823..939		

Seq. No.	38809	Seq. ID	OJ000114_16.0225.C1
Gene No.	79850	Strand	-
Start	10272	End	16041
Name	OJ000114_16.0225.C1.o4.gs	Method	GENSCAN
Start	10272	End	16041
GI	none	Score	.58
Exons	10272..10312, 11855..12147, 12696..12771, 13073..13118, 13511..13594, 13882..14167, 14408..14459, 14591..14680, 14841..15187, 16001..16041		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79851	Strand	+

Start	2964	End	5658
Name	OJ000114_16.0225.C2.o1.np	Method	AAT/NAP
Start	1586	End	4344
GI	1272347	Score	201
Exons	1586..1666, 1703..1817, 1986..2529, 4306..4344		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79851	Strand	+
Start	2964	End	5658
Name	OJ000114_16.0225.C2.o1.gp	Method	AAT/GAP
Start	2895	End	3397
GI	71587_1.R1084	Score	860
Exons	2895..3397		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79851	Strand	+
Start	2964	End	5658
Name	OJ000114_16.0225.C2.o2.gs	Method	GENSCAN
Start	2964	End	5658
GI	none	Score	.62
Exons	2964..4262, 5590..5658		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79852	Strand	+
Start	7657	End	7863
Name	OJ000114_16.0225.C2.o3.gs	Method	GENSCAN
Start	7657	End	7863
GI	none	Score	.69
Exons	7657..7863		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79853	Strand	-
Start	5589	End	5924
Name	OJ000114_16.0225.C2.o2.gp	Method	AAT/GAP
Start	5589	End	5924
GI	1631515	Score	585
Exons	5589..5924		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79854	Strand	-
Start	5879	End	6101
Name	OJ000114_16.0225.C2.o3.gp	Method	AAT/GAP
Start	5879	End	6101
GI	3273_1.R1084	Score	376
Exons	5879..6101		
GI Descrip.	'2199574 3.0e-09 (AF004293) aquaporin [Brassica rapa]'		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79854	Strand	-
Start	5879	End	6101
Name	OJ000114_16.0225.C2.o2.np	Method	AAT/NAP
Start	5946	End	6101
GI	6721176	Score	148
Exons	5946..6101		

GI Descrip. (AC016829) hypothetical protein [Arabidopsis thaliana]

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79855	Strand	-
Start	9949	End	11258
Name	OJ000114_16.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	5945	End	11258
GI	none	Score	150
Exons	5945..6097, 5970..6098, 5985..6101, 5986..6102, 9948..10100, 9950..10102, 9973..10101, 9988..10104, 10013..10105, 11025..11258, 11029..11256, 11103..11258		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79855	Strand	-
Start	9949	End	11258
Name	OJ000114_16.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	6004	End	11258
GI	none	Score	100
Exons	6004..6102, 6006..6101, 6039..6104, 9945..9986, 9988..10008, 10007..10105, 10009..10104, 10042..10107, 11025..11258, 11029..11256		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79855	Strand	-
Start	9949	End	11258
Name	OJ000114_16.0225.C2.o4.gp	Method	AAT/GAP
Start	9646	End	11258
GI	3273_1.R1084	Score	1339
Exons	9646..10104, 11025..11258		
GI Descrip.	'2199574 3.0e-09 (AF004293) aquaporin [Brassica rapa]'		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79855	Strand	-
Start	9949	End	11258
Name	OJ000114_16.0225.C2.o3.np	Method	AAT/NAP
Start	9949	End	11258
GI	6721176	Score	401
Exons	9949..10104, 11025..11258		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38810	Seq. ID	OJ000114_16.0225.C2
Gene No.	79855	Strand	-
Start	9949	End	11258
Name	OJ000114_16.0225.C2.o4.gs	Method	GENSCAN
Start	9949	End	11255
GI	none	Score	.99
Exons	9949..10104, 11025..11255		

Seq. No.	38811	Seq. ID	OJ000114_16.0225.C3
Gene No.	79856	Strand	+
Start	401	End	2753
Name	OJ000114_16.0225.C3.o1.gs	Method	GENSCAN
Start	401	End	2753
GI	none	Score	.81
Exons	401..551, 1781..1859, 2024..2753		

Seq. No.	38811	Seq. ID	OJ000114_16.0225.C3

Gene No.	79857	Strand	-
Start	4952	End	5280
Name	OJ000114_16.0225.C3.o2.gs	Method	GENSCAN
Start	4952	End	5280
GI	none	Score	.73
Exons	4952..5280		

Seq. No.	38812	Seq. ID	OJ000114_16.0225.C4
Gene No.	79858	Strand	+
Start	3813	End	5017
Name	OJ000114_16.0225.C4.o2.gs	Method	GENSCAN
Start	3813	End	5017
GI	none	Score	.6
Exons	3813..3980, 4393..4473, 4946..5017		

Seq. No.	38812	Seq. ID	OJ000114_16.0225.C4
Gene No.	79859	Strand	-
Start	398	End	4053
Name	OJ000114_16.0225.C4.o1.gs	Method	GENSCAN
Start	398	End	2300
GI	none	Score	.84
Exons	398..526, 590..616, 744..965, 1046..1241, 1343..1581, 1679..1884, 2189..2300		

Seq. No.	38812	Seq. ID	OJ000114_16.0225.C4
Gene No.	79859	Strand	-
Start	398	End	4053
Name	OJ000114_16.0225.C4.o1.np	Method	AAT/NAP
Start	665	End	4053
GI	4883612	Score	196
Exons	665..1241, 1418..1581, 1679..1744, 3958..4053		
GI Descrip.	(AC006922) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38812	Seq. ID	OJ000114_16.0225.C4
Gene No.	79859	Strand	-
Start	398	End	4053
Name	OJ000114_16.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	893	End	1470
GI	none	Score	63
Exons	893..961, 894..968, 1059..1256, 1065..1241, 1073..1252, 1330..1470, 1346..1468		

Seq. No.	38812	Seq. ID	OJ000114_16.0225.C4
Gene No.	79859	Strand	-
Start	398	End	4053
Name	OJ000114_16.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	1336	End	1735
GI	none	Score	150
Exons	1336..1575, 1337..1573, 1342..1578, 1682..1735		

Seq. No.	38813	Seq. ID	OJ000114_16.0225.C5
Gene No.	79860	Strand	+
Start	435	End	507
Name	OJ000114_16.0225.C5.o1.gs	Method	GENSCAN
Start	435	End	507
GI	none	Score	.61
Exons	435..507		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o4.np	Method	AAT/NAP
Start	6920	End	28821
GI	2462828	Score	586
Exons	6920..6941, 23462..23716, 24046..24087, 24433..24609, 24765..24978, 25050..25136, 25877..26004, 28196..28314, 28631..28821		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o2.gp	Method	AAT/GAP
Start	12981	End	13870
GI	36935_1.R1084	Score	878
Exons	12981..13100, 13529..13870		
GI Descrip.	'5902359/gb|AAD55461.1|AC009322_1 2.0e-30 (AC009322) Heat-shock protein [Arabidopsis thaliana]'		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o2.np	Method	AAT/NAP
Start	13578	End	18282
GI	5902359	Score	2882
Exons	13578..14747, 15620..15829, 15936..16031, 16128..16349, 16923..17117, 17191..17337, 17417..17566, 17856..17986, 18072..18126, 18181..18282		
GI Descrip.	(AC009322) Heat-shock protein [Arabidopsis thaliana] gi|6453873|gb|AAF09057.1|AC011717_24 (AC011717) putative heat-shock protein [Arabidopsis thaliana]		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o3.gs	Method	GENSCAN
Start	13578	End	18288
GI	none	Score	.88
Exons	13578..14747, 15620..15829, 15936..16031, 16128..16241, 16923..17117, 17191..17337, 17417..17566, 17856..17986, 18072..18288		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o3.gp	Method	AAT/GAP
Start	14271	End	14754
GI	uC-osroM202006f05b1	Score	903
Exons	14271..14754		
GI Descrip.	'1495251/emb|CAA94389| 1.0e-67 (Z70314) heat-shock protein [Arabidopsis thaliana]'		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+

Start	6920	End	29282
Name	OJ000114_16.0225.C7.o4.gp	Method	AAT/GAP
Start	16241	End	18721
GI	18323_1.R1084	Score	2557
Exons	16241..16349, 16923..17117, 17191..17337, 17417..17566, 17856..17986, 18072..18721		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o3.np	Method	AAT/NAP
Start	19012	End	21198
GI	6721519	Score	78
Exons	19012..19112, 19319..19442, 21164..21198		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79861	Strand	+
Start	6920	End	29282
Name	OJ000114_16.0225.C7.o4.gs	Method	GENSCAN
Start	23276	End	29282
GI	none	Score	.75
Exons	23276..23710, 24040..24087, 24433..24609, 24765..24921, 25053..25136, 25880..26004, 26894..27024, 27184..27391, 29199..29282		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79862	Strand	-
Start	1	End	3495
Name	OJ000114_16.0225.C7.o1.np	Method	AAT/NAP
Start	1	End	2414
GI	4775578	Score	979
Exons	1..179, 616..711, 1221..2414		
GI Descrip.	(AJ238786) MUS2 protein [Zea mays]		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79862	Strand	-
Start	1	End	3495
Name	OJ000114_16.0225.C7.o1.gs	Method	GENSCAN
Start	124	End	3495
GI	none	Score	.96
Exons	124..179, 616..711, 1221..2316, 3314..3495		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79863	Strand	-
Start	4807	End	8841
Name	OJ000114_16.0225.C7.o2.gs	Method	GENSCAN
Start	4807	End	8841
GI	none	Score	.85
Exons	4807..5425, 5788..5830, 6266..6377, 6556..6645, 6719..6881, 7003..7109, 7243..7324, 7408..7445, 7528..7614, 8452..8562, 8704..8841		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7

Gene No.	79863	Strand	-
Start	4807	End	8841
Name	OJ000114_16.0225.C7.o1.gp	Method	AAT/GAP
Start	5063	End	5830
GI	none	Score	719
Exons	5063..5404, 5788..5830		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	13539	End	17120
GI	none	Score	365
Exons	13539..14132, 13589..13873, 14160..14642, 14160..14393, 14197..14283, 14261..14641, 14636..14719, 14637..14720, 16983..17120		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	13564	End	13895
GI	none	Score	81
Exons	13564..13653, 13568..13873, 13569..13895		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o2.ts	Method	TBLASTX:Soybean
Start	13569	End	13855
GI	none	Score	417
Exons	13569..13853, 13569..13850, 13571..13855		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o1.tc	Method	TBLASTX:Cress
Start	13571	End	17989
GI	none	Score	1754
Exons	13571..14749, 13578..14762, 15566..15685, 15680..15832, 15739..15840, 15936..16028, 15938..16039, 15939..16034, 16920..17120, 16925..17119, 16935..17123, 17167..17343, 17188..17340, 17195..17353, 17414..17575, 17415..17567, 17416..17616, 17837..17989, 17853..17987		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o1.ts	Method	TBLASTX:Soybean
Start	13872	End	18026
GI	none	Score	1325
Exons	13872..14750, 13913..14749, 14647..14763, 15584..15661, 15619..15660, 15665..15778, 15680..15751, 15777..15821, 15779..15832, 15938..16039, 15939..16034, 16185..16247, 16224..16352, 16920..17120, 16920..17117, 16922..17119, 17164..17343, 17188..17337, 17419..17577, 17420..17575, 17853..18026, 17867..17989		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o3.tm	Method	TBLASTX:Maize
Start	13895	End	14078
GI	none	Score	280
Exons	13895..14077, 13896..14078		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79864	Strand	
Start	13539	End	18090
Name	OJ000114_16.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	14079	End	18090
GI	none	Score	1065
Exons	14079..14750, 14080..14433, 14088..14747, 14120..14749, 14482..14763, 15566..15832, 15618..15827, 15619..15840, 15938..16039, 15939..16028, 16172..16252, 16181..16252, 16182..16256, 16195..16269, 16309..16350, 16310..16351, 16311..16352, 16835..16909, 16920..17120, 16920..17117, 16922..17128, 17006..17122, 17164..17340, 17188..17340, 17414..17533, 17414..17512, 17419..17529, 17509..17577, 17517..17579, 17519..17575, 17853..18026, 17855..17983, 18064..18090		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79865	Strand	
Start	23504	End	28252
Name	OJ000114_16.0225.C7.o3.ts	Method	TBLASTX:Soybean
Start	23504	End	25120
GI	none	Score	53
Exons	23504..23557, 23567..23665, 24427..24612, 24432..24608, 24753..24839, 24843..24923, 25058..25120		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79865	Strand	
Start	23504	End	28252
Name	OJ000114_16.0225.C7.o4.tm	Method	TBLASTX:Maize
Start	23507	End	28252
GI	none	Score	53
Exons	23507..23557, 23581..23661, 23582..23689, 24415..24612, 24429..24611, 24472..24618, 24753..24839, 24845..24865, 25051..25116, 25052..25120, 25875..26006, 25877..26017, 25878..26006, 25879..26007, 28154..28252		

Seq. No.	38814	Seq. ID	OJ000114_16.0225.C7
Gene No.	79865	Strand	
Start	23504	End	28252
Name	OJ000114_16.0225.C7.o2.tc	Method	TBLASTX:Cress
Start	24430	End	24621
GI	none	Score	190
Exons	24430..24621, 24444..24596		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79866	Strand	+
Start	3303	End	11320
Name	OJ000114_16.0225.C8.o3.np	Method	AAT/NAP

Start	3303	End	11320
GI	5821151	Score	156
Exons	3303..3534, 4069..4500, 7706..7789, 10486..10875, 11262..11320		
GI Descrip.	(AB016091) RNA binding protein [Homo sapiens]		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79866	Strand	+
Start	3303	End	11320
Name	OJ000114_16.0225.C8.o2.np	Method	AAT/NAP
Start	3457	End	10351
GI	6063557	Score	364
Exons	3457..3477, 6553..6746, 6995..7146, 10319..10351		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79867	Strand	-
Start	102	End	3549
Name	OJ000114_16.0225.C8.o1.gs	Method	GENSCAN
Start	102	End	3549
GI	none	Score	.87
Exons	102..399, 575..621, 1249..1424, 2400..3549		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79867	Strand	-
Start	102	End	3549
Name	OJ000114_16.0225.C8.o1.gp	Method	AAT/GAP
Start	1266	End	1631
GI	none	Score	692
Exons	1266..1631		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79867	Strand	-
Start	102	End	3549
Name	OJ000114_16.0225.C8.o1.np	Method	AAT/NAP
Start	1945	End	2167
GI	2239136	Score	130
Exons	1945..2167		
GI Descrip.	(Y13730) NDH-A protein [Hordeum vulgare]		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79867	Strand	-
Start	102	End	3549
Name	OJ000114_16.0225.C8.o2.gp	Method	AAT/GAP
Start	2501	End	2992
GI	none	Score	952
Exons	2501..2992		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79868	Strand	-
Start	5227	End	5349
Name	OJ000114_16.0225.C8.o3.gp	Method	AAT/GAP
Start	5227	End	5349
GI	21070_1.R1084	Score	142
Exons	5227..5349		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79869	Strand	-
Start	8976	End	10859
Name	OJ000114_16.0225.C8.o2.tm	Method	TBLASTX:Maize
Start	574	End	2557
GI	none	Score	140
Exons	574..621, 1249..1431, 1264..1425, 2384..2557, 2399..2542, 2404..2556		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79869	Strand	-
Start	8976	End	10859
Name	OJ000114_16.0225.C8.o1.tm	Method	TBLASTX:Maize
Start	4770	End	6374
GI	none	Score	74
Exons	4770..4826, 4770..4823, 6103..6276, 6109..6324, 6279..6374		

Seq. No.	38815	Seq. ID	OJ000114_16.0225.C8
Gene No.	79869	Strand	-
Start	8976	End	10859
Name	OJ000114_16.0225.C8.o4.gp	Method	AAT/GAP
Start	8976	End	10859
GI	none	Score	655
Exons	8976..9221, 10746..10859		

Seq. No.	38816	Seq. ID	OJ000114_16.0225.C9
Gene No.	79870	Strand	+
Start	178	End	2229
Name	OJ000114_16.0225.C9.o1.gs	Method	GENSCAN
Start	178	End	2188
GI	none	Score	.66
Exons	178..314, 659..758, 1014..1141, 1462..1561, 1997..2188		

Seq. No.	38816	Seq. ID	OJ000114_16.0225.C9
Gene No.	79870	Strand	+
Start	178	End	2229
Name	OJ000114_16.0225.C9.o1.np	Method	AAT/NAP
Start	1367	End	2229
GI	4538896	Score	525
Exons	1367..1399, 1472..1892, 2001..2229		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	38816	Seq. ID	OJ000114_16.0225.C9
Gene No.	79870	Strand	+
Start	178	End	2229
Name	OJ000114_16.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	1475	End	1819
GI	none	Score	56
Exons	1475..1606, 1477..1605, 1628..1675, 1663..1818, 1679..1819		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79871	Strand	+
Start	1878	End	3183
Name	OJ000114_13.0224.C1.o2.np	Method	AAT/NAP
Start	1878	End	3183
GI	6815099	Score	89
Exons	1878..1924, 3032..3183		

GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79872	Strand	-
Start	16	End	7261
Name	OJ000114_13.0224.C1.o1.np	Method	AAT/NAP
Start	16	End	2871
GI	5902136	Score	483
Exons	16..268, 1037..1287, 1422..1538, 1817..1893, 1993..2207, 2632..2707, 2792..2871		
GI Descrip.	TATA box binding protein (TBP)-associated factor, RNA polymerase II, D, 100kD gi|1491718|emb|CAA64777| (X95525) hTAFII100 [Homo sapiens]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79872	Strand	-
Start	16	End	7261
Name	OJ000114_13.0224.C1.o1.gs	Method	GENSCAN
Start	1007	End	7261
GI	none	Score	.73
Exons	1007..1021, 1060..1287, 1422..1538, 1817..1893, 1993..2157, 2507..2546, 2708..2732, 2792..2902, 4153..4304, 4672..4788, 4979..5088, 5205..5292, 5644..5784, 6452..6533, 7092..7261		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79873	Strand	-
Start	8352	End	11989
Name	OJ000114_13.0224.C1.o3.gs	Method	GENSCAN
Start	8352	End	11918
GI	none	Score	.56
Exons	8352..8621, 10024..10130, 11506..11721, 11822..11918		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79873	Strand	-
Start	8352	End	11989
Name	OJ000114_13.0224.C1.o1.gp	Method	AAT/GAP
Start	9785	End	11989
GI	6756_3.R1084	Score	1292
Exons	9785..10130, 10833..10880, 11564..11721, 11822..11989		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 1.0e-41 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79873	Strand	-
Start	8352	End	11989
Name	OJ000114_13.0224.C1.o3.np	Method	AAT/NAP
Start	10065	End	11918
GI	1351357	Score	415
Exons	10065..10130, 10833..10880, 11564..11721, 11822..11918		
GI Descrip.	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) gi|633681|emb|CAA55863| (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896

Name	OJ000114_13.0224.C1.o2.ts	Method	TBLASTX:Soybean
Start	1022	End	1913
GI	none	Score	296
Exons	1022..1234, 1024..1287, 1027..1284, 1028..1285, 1039..1251, 1066..1260, 1092..1298, 1423..1536, 1432..1554, 1437..1541, 1437..1523, 1811..1897, 1817..1900, 1821..1913		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o3.tm	Method	TBLASTX:Maize
Start	1039	End	1891
GI	none	Score	154
Exons	1039..1227, 1045..1284, 1171..1287, 1172..1285, 1422..1562, 1423..1533, 1437..1541, 1437..1523, 1810..1887, 1816..1887, 1817..1891		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o4.ts	Method	TBLASTX:Soybean
Start	1992	End	2905
GI	none	Score	98
Exons	1992..2084, 2027..2122, 2520..2546, 2525..2551, 2638..2706, 2639..2701, 2791..2895, 2792..2905		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o4.tm	Method	TBLASTX:Maize
Start	5003	End	7255
GI	none	Score	92
Exons	5003..5089, 5004..5102, 5205..5300, 5210..5293, 5433..5519, 5452..5514, 5627..5698, 5629..5697, 5698..5736, 5705..5764, 5845..5901, 5850..5933, 5855..5932, 6416..6535, 6417..6533, 6452..6535, 6460..6549, 7175..7255		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o2.tm	Method	TBLASTX:Maize
Start	10053	End	11945
GI	none	Score	98
Exons	10053..10130, 10060..10131, 10061..10138, 10830..10883, 11555..11722, 11555..11677, 11823..11945, 11824..11919		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o4.gs	Method	GENSCAN
Start	12289	End	28896
GI	none	Score	.64
Exons	12289..12351, 13373..13451, 13991..14099, 14536..14670, 14799..15080, 16407..16536, 16742..16906, 17103..17175, 17411..17539, 17712..17868, 18310..18550, 18791..18895, 19533..19606, 19987..20059, 20387..20521, 20696..20826, 21089..21283, 22759..22829, 25389..25492, 25647..25689,		

26116..26240, 28843..28896

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o4.np	Method	AAT/NAP
Start	13395	End	15235
GI	5932545	Score	117
Exons	13395..13451, 14017..14095, 14532..14661, 14744..14915, 15193..15235		
GI Descrip.	(AC009465) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o2.gp	Method	AAT/GAP
Start	15810	End	18213
GI	10723_1.R1084	Score	2497
Exons	15810..16536, 16742..16906, 17103..17175, 17411..17539, 17712..17868, 17943..17985, 18135..18213		
GI Descrip.	'2924363/emb|CAA12062| 3.0e-25 (AJ224683) zeta-carotene desaturase [Narcissus pseudonarcissus]'		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o1.tm	Method	TBLASTX:Maize
Start	16124	End	20485
GI	none	Score	48
Exons	16124..16150, 16256..16387, 16333..16395, 16371..16538, 16372..16539, 16372..16539, 16407..16544, 16740..16910, 16741..16911, 16742..16909, 17077..17175, 17100..17183, 17102..17176, 17394..17540, 17410..17541, 17411..17542, 17702..17893, 17706..17897, 17706..17870, 17720..17893, 17944..17988, 17944..17985, 18124..18234, 18125..18235, 18126..18224, 18131..18235, 18302..18550, 18304..18561, 18306..18539, 18779..18898, 18789..18824, 18874..18897, 19530..19607, 19531..19608, 19988..20071, 19989..20060, 20374..20478, 20384..20485, 20385..20483		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o5.np	Method	AAT/NAP
Start	16381	End	21245
GI	4105563	Score	2267
Exons	16381..16536, 16742..16906, 17103..17175, 17411..17539, 17712..17868, 17943..17985, 18135..18222, 18306..18550, 18791..18895, 19533..19606, 19987..20059, 20387..20521, 20627..20751, 21089..21245		
GI Descrip.	(AF047490) zeta-carotene desaturase precursor [Zea mays]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o1.tc	Method	TBLASTX:Cress
Start	16435	End	20759

GI	none	Score	206
Exons	16435..16539, 16683..16913, 16737..16910, 16741..16923, 16742..16912, 17100..17183, 17410..17541, 17417..17542, 17720..17893, 17721..17885, 17948..17992, 18124..18216, 18129..18224, 18305..18550, 18306..18539, 18311..18562, 18340..18561, 18779..18892, 19533..19607, 19534..19608, 19988..20071, 19989..20060, 20384..20524, 20385..20522, 20386..20523, 20602..20691, 20624..20758, 20625..20759		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o1.ts	Method	TBLASTX:Soybean
Start	16435	End	20524
GI	none	Score	73
Exons	16435..16539, 16435..16539, 16466..16540, 16467..16541, 16737..16808, 16740..16910, 16742..16909, 17100..17183, 17101..17172, 17408..17542, 17408..17536, 17410..17541, 17706..17870, 17706..17873, 17711..17893, 17717..17893, 17944..17985, 18124..18234, 18129..18224, 18302..18550, 18306..18539, 18779..18892, 19534..19608, 19536..19607, 19988..20071, 19989..20060, 20384..20524, 20385..20522		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o3.gp	Method	AAT/GAP
Start	18130	End	19613
GI	702000	Score	813
Exons	18130..18219, 18304..18550, 18791..18895, 19533..19613		
GI Descrip.	4105563/gb|AAD02462.1| 2.0e-64 (AF047490) zeta-carotene desaturase precursor [Zea mays]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o4.gp	Method	AAT/GAP
Start	20431	End	21324
GI	2310981	Score	706
Exons	20431..20521, 20627..20751, 21089..21324		
GI Descrip.	2924363/emb|CAA12062| 3.0e-25 (AJ224683) zeta-carotene desaturase [Narcissus pseudonarcissus]		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o3.ts	Method	TBLASTX:Soybean
Start	20624	End	20759
GI	none	Score	205
Exons	20624..20758, 20625..20759		

Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o6.np	Method	AAT/NAP
Start	22096	End	23735
GI	6539571	Score	72

Exons	22096..22184, 22476..22571, 23714..23735		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o5.gp	Method	AAT/GAP
Start	24579	End	25501
GI	none	Score	885
Exons	24579..24946, 25389..25501		
Seq. No.	38817	Seq. ID	OJ000114_13.0224.C1
Gene No.	79874	Strand	-
Start	12289	End	28896
Name	OJ000114_13.0224.C1.o6.gp	Method	AAT/GAP
Start	26043	End	26545
GI	none	Score	954
Exons	26043..26545		
Seq. No.	38818	Seq. ID	OJ000114_13.0224.C2
Gene No.	79875	Strand	+
Start	603	End	4770
Name	OJ000114_13.0224.C2.o1.np	Method	AAT/NAP
Start	603	End	4770
GI	6815062	Score	1846
Exons	603..1413, 1567..1612, 1704..2558, 2644..2884, 2943..3252, 3329..3427, 3499..3549, 3656..3873, 4722..4770		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	38818	Seq. ID	OJ000114_13.0224.C2
Gene No.	79875	Strand	+
Start	603	End	4770
Name	OJ000114_13.0224.C2.o3.tm	Method	TBLASTX:Maize
Start	628	End	895
GI	none	Score	183
Exons	628..798, 629..895		
Seq. No.	38818	Seq. ID	OJ000114_13.0224.C2
Gene No.	79875	Strand	+
Start	603	End	4770
Name	OJ000114_13.0224.C2.o1.gs	Method	GENSCAN
Start	683	End	3872
GI	none	Score	.49
Exons	683..989, 1178..1193, 1540..1612, 1704..2062, 2267..2558, 2759..2852, 2958..2967, 3111..3252, 3499..3872		
Seq. No.	38818	Seq. ID	OJ000114_13.0224.C2
Gene No.	79875	Strand	+
Start	603	End	4770
Name	OJ000114_13.0224.C2.o1.tm	Method	TBLASTX:Maize
Start	1904	End	2408
GI	none	Score	91
Exons	1904..2029, 1905..2039, 2070..2408, 2070..2324, 2099..2404		
Seq. No.	38818	Seq. ID	OJ000114_13.0224.C2

Gene No.	79875	Strand	+
Start	603	End	4770
Name	OJ000114_13.0224.C2.o2.tm	Method	TBLASTX:Maize
Start	2644	End	3252
GI	none	Score	219
Exons	2644..2853, 2694..2852, 2950..3027, 3067..3252		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79876	Strand	+
Start	5284	End	11099
Name	OJ000114_13.0224.C3.o2.gs	Method	GENSCAN
Start	5284	End	11099
GI	none	Score	.5
Exons	5284..5445, 6694..6739, 6806..7101, 8514..8557, 9823..9976, 10065..10235, 10667..10735, 11085..11099		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79876	Strand	+
Start	5284	End	11099
Name	OJ000114_13.0224.C3.o1.gp	Method	AAT/GAP
Start	6871	End	8991
GI	uC-osflm202110e01b1	Score	903
Exons	6871..7101, 8118..8212, 8321..8388, 8514..8557, 8925..8991		
GI Descrip.	'2244850/emb|CAB10272.1| 3.0e-34 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79876	Strand	+
Start	5284	End	11099
Name	OJ000114_13.0224.C3.o1.np	Method	AAT/NAP
Start	6950	End	10084
GI	2244850	Score	378
Exons	6950..7119, 8096..8212, 8321..8392, 8518..8563, 8846..9017, 9832..10084		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79876	Strand	+
Start	5284	End	11099
Name	OJ000114_13.0224.C3.o2.gp	Method	AAT/GAP
Start	9900	End	10924
GI	none	Score	695
Exons	9900..9976, 10065..10235, 10667..10735, 10842..10924		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79877	Strand	-
Start	1154	End	3965
Name	OJ000114_13.0224.C3.o1.gs	Method	GENSCAN
Start	1154	End	3965
GI	none	Score	.45
Exons	1154..1399, 1483..1561, 1799..1956, 3239..3313, 3589..3784, 3919..3965		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o4.tm	Method	TBLASTX:Maize

Start	6988	End	8558
GI	none	Score	173
Exons	6988..7101, 6989..7102, 8095..8214, 8115..8213, 8117..8218, 8128..8214, 8312..8401, 8319..8402, 8319..8402, 8320..8406, 8323..8403, 8510..8557, 8512..8556, 8514..8558		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o2.tm	Method	TBLASTX:Maize
Start	8925	End	10939
GI	none	Score	86
Exons	8925..9008, 8928..9008, 8929..9009, 9821..9982, 9824..9976, 10047..10193, 10048..10209, 10048..10206, 10050..10238, 10064..10237, 10203..10253, 10662..10736, 10667..10747, 10838..10939, 10842..10910, 10844..10939		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o1.ts	Method	TBLASTX:Soybean
Start	11712	End	12374
GI	none	Score	53
Exons	11712..11978, 11718..11834, 11905..12363, 11918..12208, 12057..12374		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o2.np	Method	AAT/NAP
Start	11733	End	13246
GI	4388829	Score	1289
Exons	11733..13246		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o1.tm	Method	TBLASTX:Maize
Start	11748	End	12374
GI	none	Score	55
Exons	11748..11984, 11905..11973, 12060..12374, 12061..12312		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o2.tw	Method	TBLASTX:Wheat
Start	12156	End	12540
GI	none	Score	42
Exons	12156..12374, 12162..12200, 12271..12363, 12421..12540		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o3.gs	Method	GENSCAN
Start	12352	End	13212

GI	none	Score	.75
Exons	12352..13212		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o3.ts	Method	TBLASTX:Soybean
Start	12418	End	12597
GI	none	Score	115
Exons	12418..12597, 12452..12595		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o2.tc	Method	TBLASTX:Cress
Start	12454	End	12693
GI	none	Score	189
Exons	12454..12693		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o1.tw	Method	TBLASTX:Wheat
Start	12550	End	13096
GI	none	Score	57
Exons	12550..12759, 12587..12691, 12751..13095, 12806..12937, 12983..13096		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o3.tm	Method	TBLASTX:Maize
Start	12664	End	13096
GI	none	Score	93
Exons	12664..13095, 12776..12937, 13004..13096		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o2.ts	Method	TBLASTX:Soybean
Start	12776	End	13246
GI	5509260	Score	105
Exons	12776..12937, 12781..13245, 12983..13246		
GI Descrip.	-		

Seq. No.	38819	Seq. ID	OJ000114_13.0224.C3
Gene No.	79878	Strand	-
Start	12352	End	13246
Name	OJ000114_13.0224.C3.o1.tc	Method	TBLASTX:Cress
Start	12877	End	13146
GI	none	Score	138
Exons	12877..13146, 12886..13125, 12905..13132		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79879	Strand	+
Start	2901	End	3123
Name	OJ000114_13.0224.C4.o1.gp	Method	AAT/GAP

Start	2901	End	3123
GI	none	Score	375
Exons	2901..3123		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o1.np	Method	AAT/NAP
Start	1	End	1415
GI	421954	Score	728
Exons	1..196, 230..1415		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o1.tm	Method	TBLASTX:Maize
Start	225	End	899
GI	none	Score	70
Exons	225..821, 235..495, 517..753, 600..797, 831..899		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o1.tc	Method	TBLASTX:Cress
Start	261	End	710
GI	none	Score	85
Exons	261..710, 511..708		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o1.ts	Method	TBLASTX:Soybean
Start	264	End	725
GI	none	Score	81
Exons	264..725, 424..651		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o1.tw	Method	TBLASTX:Wheat
Start	282	End	890
GI	none	Score	62
Exons	282..404, 399..488, 412..489, 504..890, 508..873		

Seq. No.	38820	Seq. ID	OJ000114_13.0224.C4
Gene No.	79880	Strand	-
Start	1	End	1415
Name	OJ000114_13.0224.C4.o2.tm	Method	TBLASTX:Maize
Start	909	End	1253
GI	none	Score	84
Exons	909..1115, 914..1033, 915..1151, 1182..1253, 1189..1233		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79881	Strand	+
Start	1	End	2984

Name	OJ000114_13.0224.C5.o1.np	Method	AAT/NAP
Start	1	End	2984
GI	6721516	Score	434
Exons	1..32, 784..991, 1405..1765, 2946..2984		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79881	Strand	+
Start	1	End	2984
Name	OJ000114_13.0224.C5.o1.gs	Method	GENSCAN
Start	1487	End	2410
GI	none	Score	.82
Exons	1487..1753, 2156..2410		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79882	Strand	+
Start	19190	End	21508
Name	OJ000114_13.0224.C5.o4.gs	Method	GENSCAN
Start	19190	End	21508
GI	none	Score	.76
Exons	19190..19195, 19887..20221, 20226..20319, 20433..20678, 20827..20931, 21080..21179, 21435..21508		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79883	Strand	-
Start	6655	End	11807
Name	OJ000114_13.0224.C5.o2.gs	Method	GENSCAN
Start	6655	End	11635
GI	none	Score	.71
Exons	6655..6696, 10987..11423, 11503..11635		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79883	Strand	-
Start	6655	End	11807
Name	OJ000114_13.0224.C5.o1.gp	Method	AAT/GAP
Start	11158	End	11807
GI	none	Score	1210
Exons	11158..11807		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79884	Strand	-
Start	15807	End	16607
Name	OJ000114_13.0224.C5.o3.gs	Method	GENSCAN
Start	15807	End	16607
GI	none	Score	.92
Exons	15807..16607		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79884	Strand	-
Start	15807	End	16607
Name	OJ000114_13.0224.C5.o2.np	Method	AAT/NAP
Start	15810	End	16556
GI	2281647	Score	340
Exons	15810..16556		
GI Descrip.	(AF003104) AP2 domain containing protein RAP2.11 [Arabidopsis thaliana]		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o1.tc	Method	TBLASTX:Cress
Start	16254	End	16522
GI	none	Score	140
Exons	16254..16499, 16323..16502, 16406..16522		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o2.ts	Method	TBLASTX:Soybean
Start	16314	End	16490
GI	none	Score	112
Exons	16314..16475, 16320..16490		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o3.np	Method	AAT/NAP
Start	22085	End	25554
GI	4467134	Score	459
Exons	22085..22162, 23214..23320, 23698..23737, 24000..24080, 24763..24858, 25069..25244, 25485..25554		
GI Descrip.	(AL035540) protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o5.gs	Method	GENSCAN
Start	22974	End	25614
GI	none	Score	.69
Exons	22974..23030, 23865..23900, 24000..24080, 24739..24858, 25069..25244, 25485..25614		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o1.tm	Method	TBLASTX:Maize
Start	23211	End	25554
GI	none	Score	73
Exons	23211..23324, 23216..23326, 23219..23320, 23220..23321, 23257..23340, 24760..24858, 24763..24861, 25066..25251, 25067..25261, 25430..25552, 25488..25553, 25489..25554, 25489..25554		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o2.tm	Method	TBLASTX:Maize
Start	23681	End	24083
GI	none	Score	63
Exons	23681..23746, 23694..23747, 23856..23906, 23857..23901, 23858..23902, 23991..24080, 24000..24083, 24004..24081		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-

Start	22085	End	25614
Name	OJ000114_13.0224.C5.o1.ts	Method	TBLASTX:Soybean
Start	23859	End	25536
GI	none	Score	59
Exons	23859..23903, 23862..23903, 23991..24080, 23998..24081, 24747..24842, 24760..24858, 24764..24859, 25061..25252, 25066..25251, 25067..25270, 25489..25536		

Seq. No.	38821	Seq. ID	OJ000114_13.0224.C5
Gene No.	79885	Strand	-
Start	22085	End	25614
Name	OJ000114_13.0224.C5.o2.tc	Method	TBLASTX:Cress
Start	23997	End	25554
GI	none	Score	96
Exons	23997..24101, 24760..24858, 24760..24858, 25061..25246, 25062..25247, 25066..25251, 25066..25260, 25489..25554, 25493..25549		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79886	Strand	+
Start	4288	End	16212
Name	OJ000114_13.0224.C6.o2.gs	Method	GENSCAN
Start	4288	End	14367
GI	none	Score	.73
Exons	4288..4606, 4709..4776, 5427..5561, 5682..5761, 7267..7355, 7500..7635, 7733..8565, 8690..9630, 11481..11791, 12284..12569, 13134..13289, 13388..13526, 13940..14016, 14338..14367		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79886	Strand	+
Start	4288	End	16212
Name	OJ000114_13.0224.C6.o3.np	Method	AAT/NAP
Start	4333	End	16212
GI	6671952	Score	2399
Exons	4333..4533, 5427..5524, 5648..5761, 7267..7335, 7481..7638, 7733..9570, 11481..11791, 12257..12569, 13134..13289, 13388..13513, 13904..14016, 15661..15800, 15955..16212		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79886	Strand	+
Start	4288	End	16212
Name	OJ000114_13.0224.C6.o1.gp	Method	AAT/GAP
Start	15718	End	15800
GI	426959	Score	135
Exons	15718..15800		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79887	Strand	-
Start	1	End	4336
Name	OJ000114_13.0224.C6.o1.np	Method	AAT/NAP
Start	1	End	2037
GI	3367596	Score	53
Exons	1..168, 2005..2037		
GI Descrip.	(AL031135) putative protein [Arabidopsis thaliana]		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6

Gene No.	79887	Strand	-
Start	1	End	4336
Name	OJ000114_13.0224.C6.o1.gs	Method	GENSCAN
Start	615	End	2456
GI	none	Score	.97
Exons	615..2456		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79887	Strand	-
Start	1	End	4336
Name	OJ000114_13.0224.C6.o2.np	Method	AAT/NAP
Start	629	End	4336
GI	4455294	Score	812
Exons	629..2267, 4300..4336		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o2.tw	Method	TBLASTX:Wheat
Start	31	End	287
GI	none	Score	153
Exons	31..162, 60..164, 60..167, 61..168, 62..169, 225..287, 254..286		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o3.tm	Method	TBLASTX:Maize
Start	45	End	286
GI	none	Score	160
Exons	45..167, 46..168, 254..286, 254..286		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o1.ts	Method	TBLASTX:Soybean
Start	624	End	1073
GI	none	Score	64
Exons	624..956, 981..1073, 985..1053		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o1.tc	Method	TBLASTX:Cress
Start	636	End	1161
GI	none	Score	63
Exons	636..977, 879..977, 981..1160, 985..1161		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o1.tm	Method	TBLASTX:Maize
Start	654	End	2180
GI	none	Score	114
Exons	654..983, 990..1367, 1000..1317, 1050..1376, 1095..1523, 1287..1688, 1353..1703, 1398..1619, 1590..1943, 1629..1928, 1701..1859, 2043..2180		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o1.tw	Method	TBLASTX:Wheat
Start	990	End	2165
GI	none	Score	64
Exons	990..1430, 1000..1236, 1308..1724, 1611..1922, 1714..1992, 2049..2165		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o4.ts	Method	TBLASTX:Soybean
Start	1080	End	1965
GI	none	Score	82
Exons	1080..1466, 1081..1461, 1350..1706, 1357..1554, 1653..1940, 1753..1965		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o3.tc	Method	TBLASTX:Cress
Start	1164	End	2183
GI	none	Score	61
Exons	1164..1406, 1225..1377, 1383..1877, 1446..1670, 1522..1818, 1698..1943, 2034..2180, 2055..2183, 2061..2174		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o2.ts	Method	TBLASTX:Soybean
Start	8298	End	8550
GI	none	Score	282
Exons	8298..8549, 8298..8522, 8317..8550, 8351..8548		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o4.tm	Method	TBLASTX:Maize
Start	8898	End	9043
GI	none	Score	104
Exons	8898..9041, 8898..9020, 8899..9042, 8899..9027, 8900..9043		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o2.tc	Method	TBLASTX:Cress
Start	8922	End	9318
GI	none	Score	66
Exons	8922..9023, 8923..9024, 9112..9150, 9153..9302, 9154..9318		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o2.tm	Method	TBLASTX:Maize
Start	12422	End	15798

GI	none	Score	183
Exons	12422..12562, 12423..12572, 13110..13289, 13135..13290, 13139..13282, 13385..13504, 13393..13524, 13394..13525, 13918..14037, 13926..14015, 13945..14049, 15676..15795, 15682..15798		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o3.ts	Method	TBLASTX:Soybean
Start	13176	End	13525
GI	none	Score	133
Exons	13176..13289, 13181..13291, 13385..13525, 13396..13512		

Seq. No.	38822	Seq. ID	OJ000114_13.0224.C6
Gene No.	79888	Strand	-
Start	14495	End	15840
Name	OJ000114_13.0224.C6.o3.gs	Method	GENSCAN
Start	14495	End	15840
GI	none	Score	.68
Exons	14495..15004, 15127..15439, 15722..15840		

Seq. No.	38823	Seq. ID	OJ000114_18.0225.C1
Gene No.	79889	Strand	+
Start	282	End	385
Name	OJ000114_18.0225.C1.o1.np	Method	AAT/NAP
Start	282	End	385
GI	5777617	Score	76
Exons	282..385		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	38823	Seq. ID	OJ000114_18.0225.C1
Gene No.	79890	Strand	-
Start	551	End	703
Name	OJ000114_18.0225.C1.o1.gs	Method	GENSCAN
Start	551	End	703
GI	none	Score	.58
Exons	551..703		

Seq. No.	38824	Seq. ID	OJ000114_18.0225.C2
Gene No.	79891	Strand	+
Start	1	End	311
Name	OJ000114_18.0225.C2.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	none	Score	610
Exons	1..311		

Seq. No.	38824	Seq. ID	OJ000114_18.0225.C2
Gene No.	79892	Strand	+
Start	701	End	910
Name	OJ000114_18.0225.C2.o1.gs	Method	GENSCAN
Start	701	End	910
GI	none	Score	.64
Exons	701..910		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79893	Strand	+

Start	21812	End	25664
Name	OJ000114_18.0225.C3.o7.np	Method	AAT/NAP
Start	21812	End	25664
GI	1171577	Score	234
Exons	21812..21859, 23215..23372, 23463..23810, 25599..25664		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79893	Strand	+
Start	21812	End	25664
Name	OJ000114_18.0225.C3.o8.gs	Method	GENSCAN
Start	22469	End	24297
GI	none	Score	.75
Exons	22469..22581, 22786..22997, 23077..23160, 23373..23559, 23575..23783, 23846..24172, 24227..24297		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79894	Strand	-
Start	1	End	7522
Name	OJ000114_18.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	3292
GI	6721550	Score	1125
Exons	1..2020, 2868..3292		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79894	Strand	-
Start	1	End	7522
Name	OJ000114_18.0225.C3.o1.gs	Method	GENSCAN
Start	63	End	7059
GI	none	Score	.63
Exons	63..2035, 2871..3292, 4790..5644, 6357..6893, 6898..7059		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79894	Strand	-
Start	1	End	7522
Name	OJ000114_18.0225.C3.o3.np	Method	AAT/NAP
Start	4429	End	7522
GI	3540201	Score	38
Exons	4429..4463, 6576..6662, 7394..7522		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79895	Strand	-
Start	10231	End	10689
Name	OJ000114_18.0225.C3.o2.gs	Method	GENSCAN
Start	10231	End	10689
GI	none	Score	1
Exons	10231..10689		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79896	Strand	-
Start	13796	End	14422
Name	OJ000114_18.0225.C3.o4.gs	Method	GENSCAN
Start	13796	End	14422
GI	none	Score	.98
Exons	13796..14422		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79897	Strand	-
Start	15461	End	16909
Name	OJ000114_18.0225.C3.o5.gs	Method	GENSCAN
Start	15461	End	16909
GI	none	Score	.73
Exons	15461..15526, 16139..16909		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79898	Strand	-
Start	17403	End	22905
Name	OJ000114_18.0225.C3.o6.gs	Method	GENSCAN
Start	17403	End	18801
GI	none	Score	.61
Exons	17403..17527, 18284..18367, 18423..18503, 18795..18801		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79898	Strand	-
Start	17403	End	22905
Name	OJ000114_18.0225.C3.o6.np	Method	AAT/NAP
Start	18197	End	22905
GI	6069646	Score	261
Exons	18197..18798, 22879..22905		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79898	Strand	-
Start	17403	End	22905
Name	OJ000114_18.0225.C3.o7.gs	Method	GENSCAN
Start	21021	End	21422
GI	none	Score	1
Exons	21021..21422		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79899	Strand	-
Start	24857	End	25249
Name	OJ000114_18.0225.C3.o9.gs	Method	GENSCAN
Start	24857	End	25249
GI	none	Score	1
Exons	24857..25249		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	403	End	1500
GI	none	Score	62
Exons	403..600, 751..966, 859..963, 964..1194, 1049..1102, 1216..1314, 1226..1315, 1315..1500		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-

Start	26713	End	28229
Name	OJ000114_18.0225.C3.o2.tw	Method	TBLASTX:Wheat
Start	589	End	1038
GI	none	Score	72
Exons	589..654, 757..1038, 787..957, 994..1038		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	691	End	1566
GI	none	Score	77
Exons	691..771, 808..981, 988..1146, 1216..1308, 1474..1566		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o3.tm	Method	TBLASTX:Maize
Start	793	End	1140
GI	none	Score	121
Exons	793..987, 994..1140		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o3.tw	Method	TBLASTX:Wheat
Start	1048	End	1296
GI	none	Score	67
Exons	1048..1194, 1049..1102, 1216..1296		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o4.tm	Method	TBLASTX:Maize
Start	1216	End	1593
GI	none	Score	68
Exons	1216..1296, 1217..1297, 1327..1386, 1420..1554, 1421..1546, 1429..1593		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	9096	End	9569
GI	none	Score	280
Exons	9096..9413, 9097..9408, 9500..9568, 9501..9569		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	9295	End	18790
GI	none	Score	99
Exons	9295..9426, 9426..9662, 9431..9664, 18548..18673, 18719..18790		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-

Start	26713	End	28229
Name	OJ000114_18.0225.C3.o5.tm	Method	TBLASTX:Maize
Start	10360	End	25265
GI	none	Score	49
Exons	10360..10401, 10513..10566, 13861..13914, 13861..13899, 13864..13890, 13864..13905, 13897..13938, 13897..13947, 13898..13990, 13898..13972, 13901..13933, 13903..13929, 13903..13947, 13903..13932, 13904..13942, 13904..13981, 13904..14014, 13912..13938, 13952..14137, 13952..14113, 13976..14089, 13982..14113, 13982..14011, 13985..14065, 14018..14095, 14029..14070, 14029..14103, 14029..14052, 14029..14109, 14029..14136, 14035..14109, 14041..14094, 14044..14103, 14053..14100, 14060..14143, 14074..14133, 14074..14136, 14075..14146, 14086..14133, 14090..14134, 14095..14151, 14095..14151, 14096..14152, 14099..14167, 14105..14167, 14105..14143, 14107..14142, 14108..14146, 14110..14142, 14197..14286, 14203..14265, 14203..14262, 14203..14262, 14206..14313, 14212..14262, 14243..14284, 14243..14323, 14248..14325, 14248..14322, 14254..14346, 14254..14325, 14255..14326, 14255..14335, 14255..14329, 14255..14329, 14255..14323, 14255..14326, 14260..14325, 14266..14328, 14342..14404, 14352..14426, 14358..14387, 16141..16197, 16156..16194, 16156..16194, 16190..16228, 16190..16228, 16288..16314, 16288..16320, 16288..16395, 16288..16362, 16294..16368, 16294..16374, 16300..16362, 16310..16375, 16310..16375, 16310..16363, 16313..16363, 16315..16356, 16316..16357, 16318..16362, 16331..16363, 16340..16390, 16342..16566, 16342..16464, 16345..16392, 16354..16401, 16354..16545, 16355..16468, 16355..16405, 16360..16467, 16361..16468, 16364..16396, 16367..16465, 16367..16459, 16370..16474, 16375..16470, 16379..16531, 16385..16528, 16385..16546, 16393..16530, 16427..16441, 16451..16525, 16453..16530, 16456..16575, 16471..16530, 16502..16576, 16528..16581, 16529..16591, 16529..16582, 16531..16569, 16532..16570, 16546..16665, 16553..16666, 16573..16677, 16573..16677, 16573..16665, 16574..16618, 16574..16717, 16574..16627, 16598..16711, 16628..16723, 16628..16732, 16797..16889, 16803..16895, 21108..21152, 21111..21152, 21114..21146, 21114..21152, 21147..21275, 21147..21266, 21147..21266, 21147..21275, 21147..21266, 21168..21275, 21186..21275, 21204..21275, 21206..21253, 21212..21253, 21227..21253, 21230..21250, 21327..21362, 21335..21376, 24994..25053, 24994..25053, 24997..25053, 25007..25033, 25010..25087, 25028..25087, 25028..25090, 25034..25087, 25037..25096, 25037..25087, 25037..25096, 25037..25087, 25037..25087, 25059..25088, 25156..25248, 25172..25252, 25179..25265		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o2.tm	Method	TBLASTX:Maize
Start	18399	End	18685
GI	none	Score	100
Exons	18399..18683, 18404..18685, 18482..18685		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3

Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	23226	End	23782
GI	none	Score	62
Exons	23226..23279, 23280..23315, 23463..23591, 23612..23782, 23620..23769		

Seq. No.	38825	Seq. ID	OJ000114_18.0225.C3
Gene No.	79900	Strand	-
Start	26713	End	28229
Name	OJ000114_18.0225.C3.o10.gs	Method	GENSCAN
Start	26713	End	28229
GI	none	Score	.99
Exons	26713..26781, 27139..27200, 27224..28229		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79901	Strand	+
Start	3744	End	5395
Name	OJ000114_18.0225.C4.o1.np	Method	AAT/NAP
Start	3070	End	5392
GI	5042416	Score	652
Exons	3070..3093, 4290..5392		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79901	Strand	+
Start	3744	End	5395
Name	OJ000114_18.0225.C4.o2.gs	Method	GENSCAN
Start	3744	End	5395
GI	none	Score	.98
Exons	3744..4121, 4127..5395		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79902	Strand	+
Start	6041	End	6492
Name	OJ000114_18.0225.C4.o1.gp	Method	AAT/GAP
Start	6041	End	6492
GI	none	Score	870
Exons	6041..6492		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79903	Strand	-
Start	1192	End	1533
Name	OJ000114_18.0225.C4.o1.gs	Method	GENSCAN
Start	1192	End	1533
GI	none	Score	1
Exons	1192..1533		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79904	Strand	-
Start	6334	End	10702
Name	OJ000114_18.0225.C4.o3.gs	Method	GENSCAN
Start	6334	End	10652
GI	none	Score	.69
Exons	6334..6434, 7653..7761, 8092..8235, 8525..8659, 10301..10401, 10493..10652		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79904	Strand	-
Start	6334	End	10702
Name	OJ000114_18.0225.C4.o2.np	Method	AAT/NAP
Start	7230	End	10637
GI	6324846	Score	126
Exons	7230..7268, 8122..8241, 8618..8666, 10086..10192, 10301..10389, 10493..10637		
GI Descrip.	Ytm1p gi|2494905|sp|Q12024|YTM1_YEAST MICROTUBULE-ASSOCIATED PROTEIN YTM1 gi|2132107|pir||S67174 hypothetical protein YOR272w - yeast (Saccharomyces cerevisiae) gi|1279699|emb|CAA61778| (X89633) hypothetical protein [Saccharomyces cerevisiae] gi|1420610|emb|CAA99497| (Z75180) ORF YOR272w [Saccharomyces cerevisiae] gi|1928989 (U92821) microtubule-associated protein		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79904	Strand	-
Start	6334	End	10702
Name	OJ000114_18.0225.C4.o2.gp	Method	AAT/GAP
Start	7653	End	8794
GI	2311835	Score	783
Exons	7653..7761, 8092..8235, 8525..8659, 8747..8794		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79904	Strand	-
Start	6334	End	10702
Name	OJ000114_18.0225.C4.o3.gp	Method	AAT/GAP
Start	10124	End	10702
GI	LIB3475-008-P1-K1-H6	Score	652
Exons	10124..10192, 10301..10401, 10493..10702		
GI Descrip.	'2494905/sp|Q12024|YTM1_YEAST 2.0e-09 MICROTUBULE-ASSOCIATED PROTEIN YTM1 >gi_2132107_pir__S67174 hypothetical protein YOR272w - yeast (Saccharomyces cerevisiae) >gi_1279699_emb_CAA61778_ (X89633) hypothetical protein [Saccharomyces cerevisiae] >gi_1420610_emb_CAA99497_ (Z75180) ORF YOR272w [Saccharomyces cerevisiae] >gi_1928989 (U92821) microtubule-associated protein [Sacchar'		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o2.tc	Method	TBLASTX:Cress
Start	4289	End	5179
GI	none	Score	37
Exons	4289..4309, 4307..4519, 4321..4464, 4531..4671, 4532..4672, 5012..5179		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	4538	End	5418
GI	none	Score	106
Exons	4538..4717, 4751..4798, 4969..5202, 4970..5206, 5216..5395, 5260..5418		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o2.ts	Method	TBLASTX:Soybean
Start	4538	End	5368
GI	none	Score	102
Exons	4538..4702, 4757..4789, 5014..5202, 5015..5206, 5240..5368, 5266..5364		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	7142	End	8217
GI	none	Score	88
Exons	7142..7234, 7147..7233, 7300..7341, 7302..7340, 7440..7577, 7441..7578, 7448..7588, 7494..7583, 7649..7756, 7651..7755, 7656..7760, 8071..8214, 8104..8217		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	7148	End	7720
GI	none	Score	39
Exons	7148..7192, 7192..7233, 7193..7234, 7302..7340, 7440..7565, 7441..7566, 7639..7719, 7649..7720		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	7193	End	8217
GI	none	Score	70
Exons	7193..7234, 7195..7233, 7302..7340, 7303..7341, 7440..7562, 7440..7577, 7441..7578, 7442..7588, 7646..7756, 7651..7755, 7656..7760, 8071..8214, 8081..8215, 8092..8217, 8093..8215		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o4.ts	Method	TBLASTX:Soybean
Start	8585	End	10126
GI	none	Score	70
Exons	8585..8656, 8744..8866, 8955..9050, 9142..9228, 9143..9229, 9349..9414, 10082..10126		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o3.ts	Method	TBLASTX:Soybean
Start	10133	End	10622
GI	none	Score	58
Exons	10133..10192, 10134..10199, 10287..10328, 10304..10393, 10355..10393, 10488..10622, 10501..10617		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4

Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o3.tm	Method	TBLASTX:Maize
Start	10334	End	10623
GI	none	Score	53
Exons	10334..10405, 10355..10402, 10488..10622, 10495..10623		

Seq. No.	38826	Seq. ID	OJ000114_18.0225.C4
Gene No.	79905	Strand	-
Start	11820	End	13130
Name	OJ000114_18.0225.C4.o4.gs	Method	GENSCAN
Start	11820	End	13130
GI	none	Score	.74
Exons	11820..11915, 12090..12212, 12619..12649, 12784..13130		

Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79906	Strand	+
Start	86	End	7962
Name	OJ000114_18.0225.C5.o1.gs	Method	GENSCAN
Start	86	End	7843
GI	none	Score	.76
Exons	86..247, 1990..2224, 4967..5084, 5906..6139, 6951..6984, 7588..7843		

Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79906	Strand	+
Start	86	End	7962
Name	OJ000114_18.0225.C5.o1.gp	Method	AAT/GAP
Start	4915	End	7962
GI	30501_1.R1084	Score	1364
Exons	4915..5084, 5906..6139, 6951..6984, 7588..7962		
GI Descrip.	'4678386/emb|CAB41118.1| 4.0e-19 (AL049656) putative protein [Arabidopsis thaliana]'		

Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79906	Strand	+
Start	86	End	7962
Name	OJ000114_18.0225.C5.o1.np	Method	AAT/NAP
Start	5843	End	7828
GI	6562314	Score	290
Exons	5843..6139, 6951..6984, 7579..7828		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79907	Strand	+
Start	8001	End	8349
Name	OJ000114_18.0225.C5.o2.gp	Method	AAT/GAP
Start	8001	End	8349
GI	3762273	Score	560
Exons	8001..8292, 8317..8349		

Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79908	Strand	-
Start	8288	End	9692
Name	OJ000114_18.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	5866	End	6141
GI	none	Score	388

Exons	5866..5946, 5893..6141, 5895..6140, 6007..6141		
Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79908	Strand	-
Start	8288	End	9692
Name	OJ000114_18.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	5896	End	6141
GI	none	Score	291
Exons	5896..6141, 5910..6140		
Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79908	Strand	-
Start	8288	End	9692
Name	OJ000114_18.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	5896	End	6141
GI	none	Score	40
Exons	5896..5922, 5926..6141, 5937..6077, 6096..6140		
Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79908	Strand	-
Start	8288	End	9692
Name	OJ000114_18.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	5974	End	6178
GI	none	Score	252
Exons	5974..6141, 5976..6140, 6007..6141, 6038..6178		
Seq. No.	38827	Seq. ID	OJ000114_18.0225.C5
Gene No.	79908	Strand	-
Start	8288	End	9692
Name	OJ000114_18.0225.C5.o2.gs	Method	GENSCAN
Start	8288	End	9692
GI	none	Score	.85
Exons	8288..8313, 9272..9397, 9632..9692		
Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79909	Strand	+
Start	4810	End	5309
Name	OJ000114_18.0225.C6.o1.gp	Method	AAT/GAP
Start	4810	End	5309
GI	none	Score	891
Exons	4810..5309		
Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79910	Strand	+
Start	7449	End	7794
Name	OJ000114_18.0225.C6.o3.gp	Method	AAT/GAP
Start	7449	End	7794
GI	none	Score	659
Exons	7449..7794		
Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79911	Strand	-
Start	2202	End	3185
Name	OJ000114_18.0225.C6.o1.gs	Method	GENSCAN
Start	2202	End	3185
GI	none	Score	.98
Exons	2202..3185		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o3.tm	Method	TBLASTX:Maize
Start	4867	End	8076
GI	none	Score	127
Exons	4867..5061, 4929..5027, 4931..5059, 5300..5362, 7767..7874, 7774..7908, 7778..7906, 8014..8076		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o1.np	Method	AAT/NAP
Start	4900	End	7167
GI	2911358	Score	744
Exons	4900..5038, 5280..5689, 5776..5994, 6764..6933, 7041..7167		
GI Descrip.	(AF041043) NADPH HC toxin reductase [Zea mays]		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	4927	End	8320
GI	none	Score	59
Exons	4927..5025, 5309..5539, 5384..5476, 5570..5608, 5574..5609, 7774..7866, 8023..8319, 8084..8227, 8285..8320		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o2.gs	Method	GENSCAN
Start	4927	End	8843
GI	none	Score	.73
Exons	4927..5059, 5301..5689, 5776..5994, 6764..6933, 7041..7175, 7278..7408, 7790..7906, 8015..8397, 8628..8843		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	5364	End	8332
GI	none	Score	128
Exons	5364..5537, 5364..5417, 5366..5548, 5531..5620, 5534..5620, 5550..5621, 5550..5645, 8078..8332, 8080..8331		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	5776	End	8860
GI	none	Score	53
Exons	5776..5823, 5776..5859, 5857..6000, 5879..5995, 6764..6931, 6764..6931, 6765..6932, 6994..7137, 7042..7134, 7043..7138, 7061..7138, 8628..8681, 8628..8720, 8706..8846, 8725..8850, 8728..8844, 8771..8860, 8783..8851		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o2.gp	Method	AAT/GAP
Start	5802	End	7167
GI	7903_1.R1084	Score	697
Exons	5802..5994, 6764..6933, 7041..7167		
GI Descrip.	'2911362/gb|AAC04335.1| 2.0e-77 (AF041045) NADPH HC toxin reductase [Zea mays]'		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o2.ts	Method	TBLASTX:Soybean
Start	6770	End	7141
GI	none	Score	63
Exons	6770..6931, 7042..7134, 7046..7141, 7049..7138		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	6776	End	7134
GI	none	Score	108
Exons	6776..6931, 7045..7134		

Seq. No.	38828	Seq. ID	OJ000114_18.0225.C6
Gene No.	79912	Strand	-
Start	4927	End	9071
Name	OJ000114_18.0225.C6.o2.np	Method	AAT/NAP
Start	7747	End	9071
GI	1929998	Score	584
Exons	7747..7911, 8026..8397, 8628..8843, 9041..9071		
GI Descrip.	(U77463) NADPH-dependent HC-toxin reductase [Hordeum vulgare]		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79913	Strand	+
Start	232	End	4715
Name	OJ000114_18.0225.C7.o1.np	Method	AAT/NAP
Start	232	End	4715
GI	6069646	Score	963
Exons	232..1057, 1339..1381, 3819..4715		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	102	End	558
GI	none	Score	79
Exons	102..128, 112..198, 214..468, 228..452, 457..558, 477..557		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7

Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o2.tw	Method	TBLASTX:Wheat
Start	448	End	714
GI	none	Score	178
Exons	448..714, 615..689		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	558	End	1245
GI	none	Score	157
Exons	558..710, 559..714, 793..1245, 804..1121		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	886	End	1326
GI	none	Score	244
Exons	886..1191, 888..1139, 1204..1326		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o3.tm	Method	TBLASTX:Maize
Start	4138	End	4662
GI	none	Score	285
Exons	4138..4644, 4269..4457, 4486..4662		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o1.gp	Method	AAT/GAP
Start	7080	End	7135
GI	20723_1.R1084	Score	58
Exons	7080..7135		
GI Descrip.	'2149018/gb|U70541|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o2.gs	Method	GENSCAN
Start	7420	End	7724
GI	none	Score	.67
Exons	7420..7518, 7587..7724		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o4.tm	Method	TBLASTX:Maize
Start	7581	End	7755
GI	none	Score	201
Exons	7581..7754, 7588..7755		

Seq. No.	38829	Seq. ID	OJ000114_18.0225.C7
Gene No.	79914	Strand	-
Start	7420	End	7757
Name	OJ000114_18.0225.C7.o2.gp	Method	AAT/GAP
Start	7587	End	7757
GI	7903_1.R1084	Score	278
Exons	7587..7757		
GI Descrip.	'2911362/gb|AAC04335.1| 2.0e-77 (AF041045) NADPH HC toxin reductase [Zea mays]'		

Seq. No.	38830	Seq. ID	OJ000114_18.0225.C8
Gene No.	79915	Strand	-
Start	192	End	771
Name	OJ000114_18.0225.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	768
GI	none	Score	188
Exons	1..447, 2..331, 494..580, 643..768, 644..766		

Seq. No.	38830	Seq. ID	OJ000114_18.0225.C8
Gene No.	79915	Strand	-
Start	192	End	771
Name	OJ000114_18.0225.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	126
GI	none	Score	110
Exons	1..120, 1..126, 2..124		

Seq. No.	38830	Seq. ID	OJ000114_18.0225.C8
Gene No.	79915	Strand	-
Start	192	End	771
Name	OJ000114_18.0225.C8.o1.tm	Method	TBLASTX:Maize
Start	127	End	771
GI	none	Score	258
Exons	127..447, 127..447, 638..769, 643..771		

Seq. No.	38830	Seq. ID	OJ000114_18.0225.C8
Gene No.	79915	Strand	-
Start	192	End	771
Name	OJ000114_18.0225.C8.o1.gs	Method	GENSCAN
Start	192	End	444
GI	none	Score	.88
Exons	192..444		

Seq. No.	38831	Seq. ID	OJ000114_18.0225.C9
Gene No.	79916	Strand	-
Start	126	End	521
Name	OJ000114_18.0225.C9.o1.gs	Method	GENSCAN
Start	126	End	521
GI	none	Score	.74
Exons	126..521		

Seq. No.	38831	Seq. ID	OJ000114_18.0225.C9
Gene No.	79917	Strand	-
Start	1408	End	1473
Name	OJ000114_18.0225.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	318
GI	none	Score	153

Exons	3..164, 4..165, 165..197, 166..213, 280..318		
Seq. No.	38831	Seq. ID	OJ000114_18.0225.C9
Gene No.	79917	Strand	-
Start	1408	End	1473
Name	OJ000114_18.0225.C9.o1.gp	Method	AAT/GAP
Start	1408	End	1473
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	1408..1473		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	38832	Seq. ID	OJ000114_18.0225.C10
Gene No.	79918	Strand	-
Start	1	End	7303
Name	OJ000114_18.0225.C10.o1.np	Method	AAT/NAP
Start	1	End	5176
GI	3451463	Score	282
Exons	1..134, 1326..1584, 1912..2030, 2471..2688, 3462..3525, 5063..5176		
GI Descrip.	(AL031349) hypothetical protein [Schizosaccharomyces pombe]		
Seq. No.	38832	Seq. ID	OJ000114_18.0225.C10
Gene No.	79918	Strand	-
Start	1	End	7303
Name	OJ000114_18.0225.C10.o1.gs	Method	GENSCAN
Start	72	End	7303
GI	none	Score	.46
Exons	72..197, 789..908, 1355..1765, 1916..2030, 2471..2688, 3308..3399, 3462..3659, 3664..3764, 5283..5391, 6230..6327, 6937..7015, 7246..7303		
Seq. No.	38832	Seq. ID	OJ000114_18.0225.C10
Gene No.	79918	Strand	-
Start	1	End	7303
Name	OJ000114_18.0225.C10.o1.tm	Method	TBLASTX:Maize
Start	1674	End	3605
GI	none	Score	104
Exons	1674..1766, 1676..1777, 1676..1765, 1913..2032, 1914..2030, 1919..2032, 2452..2688, 2475..2687, 2506..2697, 3459..3509, 3460..3525, 3466..3540, 3570..3605		
Seq. No.	38832	Seq. ID	OJ000114_18.0225.C10
Gene No.	79918	Strand	-
Start	1	End	7303
Name	OJ000114_18.0225.C10.o1.ts	Method	TBLASTX:Soybean
Start	1914	End	3599
GI	none	Score	77
Exons	1914..2051, 1919..2032, 2444..2566, 2452..2688, 2453..2686, 3459..3509, 3463..3510, 3570..3599		
Seq. No.	38833	Seq. ID	OJ000114_18.0225.C11
Gene No.	79919	Strand	+
Start	2553	End	4938
Name	OJ000114_18.0225.C11.o2.np	Method	AAT/NAP
Start	2553	End	4938

GI	6016874	Score	317
Exons	2553..2604, 4713..4938		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	38833	Seq. ID	OJ000114_18.0225.C11
Gene No.	79919	Strand	+
Start	2553	End	4938
Name	OJ000114_18.0225.C11.o1.np	Method	AAT/NAP
Start	4452	End	4616
GI	6907084	Score	243
Exons	4452..4616		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38833	Seq. ID	OJ000114_18.0225.C11
Gene No.	79920	Strand	-
Start	6100	End	6712
Name	OJ000114_18.0225.C11.o3.np	Method	AAT/NAP
Start	6100	End	6712
GI	6498457	Score	74
Exons	6100..6355, 6684..6712		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38833	Seq. ID	OJ000114_18.0225.C11
Gene No.	79921	Strand	-
Start	8292	End	8742
Name	OJ000114_18.0225.C11.o3.gs	Method	GENSCAN
Start	8292	End	8742
GI	none	Score	.64
Exons	8292..8359, 8685..8742		

Seq. No.	38834	Seq. ID	OJ000114_18.0225.C12
Gene No.	79922	Strand	+
Start	522	End	2812
Name	OJ000114_18.0225.C12.o1.gs	Method	GENSCAN
Start	522	End	2575
GI	none	Score	.92
Exons	522..602, 1415..1517, 1612..2213, 2408..2575		

Seq. No.	38834	Seq. ID	OJ000114_18.0225.C12
Gene No.	79922	Strand	+
Start	522	End	2812
Name	OJ000114_18.0225.C12.o1.np	Method	AAT/NAP
Start	1295	End	2812
GI	6562303	Score	388
Exons	1295..1517, 1612..2135, 2229..2593, 2774..2812		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	38834	Seq. ID	OJ000114_18.0225.C12
Gene No.	79922	Strand	+
Start	522	End	2812
Name	OJ000114_18.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	1866	End	2222
GI	none	Score	188
Exons	1866..2063, 1869..2072, 2077..2214, 2077..2214, 2097..2222		

Seq. No.	38835	Seq. ID	OJ000114_18.0225.C13
Gene No.	79923	Strand	-
Start	518	End	1703
Name	OJ000114_18.0225.C13.o1.gs	Method	GENSCAN
Start	518	End	1579
GI	none	Score	.74
Exons	518..638, 1357..1579		

Seq. No.	38835	Seq. ID	OJ000114_18.0225.C13
Gene No.	79923	Strand	-
Start	518	End	1703
Name	OJ000114_18.0225.C13.o1.ts	Method	TBLASTX:Soybean
Start	1353	End	1688
GI	none	Score	53
Exons	1353..1688, 1360..1524, 1506..1541, 1576..1620		

Seq. No.	38835	Seq. ID	OJ000114_18.0225.C13
Gene No.	79923	Strand	-
Start	518	End	1703
Name	OJ000114_18.0225.C13.o1.tc	Method	TBLASTX:Cress
Start	1362	End	1703
GI	none	Score	58
Exons	1362..1442, 1458..1703, 1477..1608		

Seq. No.	38836	Seq. ID	OJ000114_18.0225.C14
Gene No.	79924	Strand	
Start	96	End	270
Name	OJ000114_18.0225.C14.o1.tc	Method	TBLASTX:Cress
Start	96	End	270
GI	none	Score	130
Exons	96..269, 106..270		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o1.np	Method	AAT/NAP
Start	1	End	5011
GI	6382494	Score	3828
Exons	1..1463, 1970..5011		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o1.gs	Method	GENSCAN
Start	230	End	6926
GI	none	Score	.45
Exons	230..373, 977..1400, 1970..4814, 5263..5323, 6869..6926		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	324	End	2524
GI	none	Score	154
Exons	324..500, 402..827, 460..804, 2423..2524		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	342	End	807
GI	none	Score	75
Exons	342..647, 460..645, 657..806, 679..807		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	804	End	1226
GI	none	Score	160
Exons	804..1226, 826..1116, 897..1145		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	997	End	1391
GI	none	Score	77
Exons	997..1110, 1020..1391, 1152..1343, 1180..1362		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o2.ts	Method	TBLASTX:Soybean
Start	2796	End	3046
GI	none	Score	107
Exons	2796..3044, 2798..3046		

Seq. No.	38837	Seq. ID	OJ000204_18.0225.C1
Gene No.	79925	Strand	-
Start	1	End	6926
Name	OJ000204_18.0225.C1.o2.tc	Method	TBLASTX:Cress
Start	3395	End	3707
GI	none	Score	165
Exons	3395..3700, 3396..3707		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79926	Strand	+
Start	8405	End	8723
Name	OJ000204_18.0225.C3.o2.gp	Method	AAT/GAP
Start	8405	End	8723
GI	none	Score	599
Exons	8405..8723		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79927	Strand	+
Start	13143	End	13733
Name	OJ000204_18.0225.C3.o3.gp	Method	AAT/GAP
Start	13143	End	13733
GI	none	Score	1182
Exons	13143..13733		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79928	Strand	+
Start	15183	End	18549
Name	OJ000204_18.0225.C3.o3.gs	Method	GENSCAN
Start	15183	End	15960
GI	none	Score	.67
Exons	15183..15503, 15589..15651, 15682..15960		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79928	Strand	+
Start	15183	End	18549
Name	OJ000204_18.0225.C3.o4.np	Method	AAT/NAP
Start	15227	End	18549
GI	4680199	Score	168
Exons	15227..15503, 16863..16925, 18514..18549		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79929	Strand	+
Start	24325	End	24402
Name	OJ000204_18.0225.C3.o6.np	Method	AAT/NAP
Start	24325	End	24402
GI	6630699	Score	73
Exons	24325..24402		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79930	Strand	-
Start	1	End	3639
Name	OJ000204_18.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	3399
GI	4678932	Score	278
Exons	1..196, 419..522, 1251..1406, 1880..1934, 2163..2348, 3230..3399		
GI Descrip.	(AL049711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79930	Strand	-
Start	1	End	3639
Name	OJ000204_18.0225.C3.o1.gp	Method	AAT/GAP
Start	107	End	1438
GI	LIB3434-021-P1-K1-H4	Score	509
Exons	107..196, 419..522, 1308..1438		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79930	Strand	-
Start	1	End	3639
Name	OJ000204_18.0225.C3.o1.gs	Method	GENSCAN
Start	164	End	3639
GI	none	Score	.8
Exons	164..196, 1308..1406, 1880..1934, 2163..2348, 3230..3639		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79931	Strand	-

Start	6669	End	15400
Name	OJ000204_18.0225.C3.o2.gs	Method	GENSCAN
Start	6669	End	13653
GI	none	Score	:51
Exons	6669..7337, 7612..8141, 8234..8347, 8372..8501, 8779..11834, 12025..13120, 13128..13239, 13454..13653		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79931	Strand	-
Start	6669	End	15400
Name	OJ000204_18.0225.C3.o2.np	Method	AAT/NAP
Start	8731	End	13096
GI	2586082	Score	4961
Exons	8731..10383, 10423..13096		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79931	Strand	-
Start	6669	End	15400
Name	OJ000204_18.0225.C3.o3.np	Method	AAT/NAP
Start	12022	End	15400
GI	1651851	Score	41
Exons	12022..12107, 13454..13696, 15378..15400		
GI Descrip.	(D90900) erythroid ankyrin [Synechocystis sp.]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79932	Strand	-
Start	18703	End	24264
Name	OJ000204_18.0225.C3.o5.np	Method	AAT/NAP
Start	18703	End	24264
GI	5922620	Score	782
Exons	18703..18802, 22422..22538, 22717..22893, 22941..23158, 24053..24185, 24226..24264		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o5.tm	Method	TBLASTX:Maize
Start	397	End	2420
GI	none	Score	63
Exons	397..468, 404..457, 417..476, 461..523, 469..525, 470..523, 1284..1331, 1289..1330, 1312..1464, 1320..1403, 1330..1407, 1857..1937, 1860..1937, 1877..1960, 1877..1960, 2168..2359, 2176..2403, 2177..2359, 2202..2420		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	8731	End	9387
GI	none	Score	43
Exons	8731..8952, 8888..8953, 8989..9387, 9041..9373		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	8782	End	9378
GI	none	Score	51
Exons	8782..9378, 8863..8952, 8987..9190, 9251..9376		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	9142	End	9579
GI	none	Score	46
Exons	9142..9579, 9143..9229, 9250..9405, 9257..9574		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o3.tc	Method	TBLASTX:Cress
Start	9445	End	9693
GI	none	Score	199
Exons	9445..9693		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o2.tm	Method	TBLASTX:Maize
Start	9520	End	9960
GI	none	Score	38
Exons	9520..9960, 9560..9607, 9650..9754, 9791..9940		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o3.tw	Method	TBLASTX:Wheat
Start	9580	End	10093
GI	none	Score	93
Exons	9580..9756, 9748..10092, 9788..9940, 9974..10093		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	9757	End	10275
GI	5509260	Score	128
Exons	9757..10275, 9770..9934, 9980..10135, 10160..10261		
GI Descrip.	-		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o2.tc	Method	TBLASTX:Cress
Start	9874	End	10144
GI	none	Score	152
Exons	9874..10143, 9875..10144		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o7.tm	Method	TBLASTX:Maize
Start	9964	End	10233
GI	none	Score	91
Exons	9964..10233, 10000..10170, 10004..10222		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	10876	End	11325
GI	none	Score	358
Exons	10876..11325		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o4.tw	Method	TBLASTX:Wheat
Start	10876	End	11235
GI	none	Score	100
Exons	10876..11235, 10883..11092, 10888..11202		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o4.ts	Method	TBLASTX:Soybean
Start	10894	End	11313
GI	none	Score	257
Exons	10894..11313		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o4.tm	Method	TBLASTX:Maize
Start	10897	End	11220
GI	none	Score	66
Exons	10897..11220, 10901..11089		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o6.tw	Method	TBLASTX:Wheat
Start	11236	End	11526
GI	none	Score	165
Exons	11236..11319, 11338..11526		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o3.ts	Method	TBLASTX:Soybean
Start	11335	End	11745
GI	none	Score	68
Exons	11335..11505, 11526..11639, 11530..11745		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o2.tw	Method	TBLASTX:Wheat
Start	11831	End	12205
GI	none	Score	89
Exons	11831..11992, 11832..11978, 11972..12205, 12020..12154		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o6.tm	Method	TBLASTX:Maize
Start	12023	End	12586
GI	none	Score	95
Exons	12023..12145, 12023..12268, 12455..12586		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o3.tm	Method	TBLASTX:Maize
Start	12587	End	13006
GI	none	Score	199
Exons	12587..12886, 12609..12866, 12914..13006, 12918..12998		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o5.tw	Method	TBLASTX:Wheat
Start	12701	End	13078
GI	none	Score	99
Exons	12701..13078, 12702..12926, 12994..13065		

Seq. No.	38838	Seq. ID	OJ000204_18.0225.C3
Gene No.	79933	Strand	-
Start	24540	End	24641
Name	OJ000204_18.0225.C3.o7.np	Method	AAT/NAP
Start	24540	End	24641
GI	5922619	Score	91
Exons	24540..24641		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	38839	Seq. ID	OJ000204_18.0225.C4
Gene No.	79934	Strand	+
Start	210	End	3980
Name	OJ000204_18.0225.C4.o1.gs	Method	GENSCAN
Start	210	End	3980
GI	none	Score	.75
Exons	210..229, 2040..2142, 3256..3454, 3820..3980		

Seq. No.	38839	Seq. ID	OJ000204_18.0225.C4
Gene No.	79935	Strand	-
Start	4850	End	16261
Name	OJ000204_18.0225.C4.o2.gs	Method	GENSCAN
Start	4850	End	16261
GI	none	Score	.4

Exons	4850..5430, 5595..5634, 5729..5967, 5992..6258, 6349..6858, 8913..9057, 9792..9953, 10146..10361, 11393..11424, 11592..11864, 12514..12541, 13083..13264, 16121..16261		
Seq. No.	38840	Seq. ID	OJ000204_18.0225.C5
Gene No.	79936	Strand	+
Start	7740	End	18495
Name	OJ000204_18.0225.C5.o1.np	Method	AAT/NAP
Start	7740	End	15160
GI	1076802	Score	322
Exons	7740..7812, 10689..10834, 11705..11929, 12968..13192, 13844..15160		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	38840	Seq. ID	OJ000204_18.0225.C5
Gene No.	79936	Strand	+
Start	7740	End	18495
Name	OJ000204_18.0225.C5.o3.gs	Method	GENSCAN
Start	10220	End	18495
GI	none	Score	.57
Exons	10220..10283, 10917..11103, 11162..11363, 11705..11934, 12839..12867, 13152..13280, 14295..14690, 14751..14822, 14915..15179, 15308..15396, 17302..17424, 18184..18287, 18455..18495		

Seq. No.	38840	Seq. ID	OJ000204_18.0225.C5
Gene No.	79936	Strand	+
Start	7740	End	18495
Name	OJ000204_18.0225.C5.o1.gp	Method	AAT/GAP
Start	13318	End	13574
GI	83032_1.R1084	Score	427
Exons	13318..13574		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	38840	Seq. ID	OJ000204_18.0225.C5
Gene No.	79936	Strand	+
Start	7740	End	18495
Name	OJ000204_18.0225.C5.o3.gp	Method	AAT/GAP
Start	16877	End	16986
GI	uC-osflcyp088b12b1	Score	153
Exons	16877..16986		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38840	Seq. ID	OJ000204_18.0225.C5
Gene No.	79937	Strand	-
Start	2491	End	9064
Name	OJ000204_18.0225.C5.o2.gs	Method	GENSCAN
Start	2491	End	9064
GI	none	Score	.64
Exons	2491..2990, 3123..3306, 3311..3696, 4103..4697, 6965..7494, 7577..8086, 8655..8728, 8815..9056, 9062..9064		

Seq. No.	38841	Seq. ID	OJ000204_18.0225.C6
Gene No.	79938	Strand	+
Start	143	End	241
Name	OJ000204_18.0225.C6.o1.gp	Method	AAT/GAP
Start	143	End	241
GI	uC-osflcyp088b12b1	Score	156
Exons	143..241		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38842	Seq. ID	OJ000204_18.0225.C7
Gene No.	79939	Strand	-
Start	122	End	1011
Name	OJ000204_18.0225.C7.o1.gs	Method	GENSCAN
Start	122	End	961
GI	none	Score	.58
Exons	122..192, 282..354, 405..572, 643..857, 898..961		

Seq. No.	38842	Seq. ID	OJ000204_18.0225.C7
Gene No.	79939	Strand	-
Start	122	End	1011
Name	OJ000204_18.0225.C7.o1.gp	Method	AAT/GAP
Start	249	End	973
GI	6547_1.R1084	Score	682
Exons	249..384, 646..973		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38842	Seq. ID	OJ000204_18.0225.C7
Gene No.	79939	Strand	-
Start	122	End	1011
Name	OJ000204_18.0225.C7.o1.np	Method	AAT/NAP
Start	631	End	1011
GI	6907106	Score	266
Exons	631..1011		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79940	Strand	+
Start	11754	End	19931
Name	OJ000204_18.0225.C8.o1.np	Method	AAT/NAP
Start	11754	End	19931
GI	5263321	Score	1344
Exons	11754..12306, 12382..12938, 14602..14956, 15077..15150, 17251..17463, 17984..18108, 19437..19931		
GI Descrip.	(AC007727) Contains similarity to gb|AF033823 moira protein from Drosophila melanogaster and contains a PF|00249 Myb-like DNA-binding domain. EST gb|Z25609 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79941	Strand	-
Start	433	End	2247
Name	OJ000204_18.0225.C8.o1.gs	Method	GENSCAN
Start	433	End	2247
GI	none	Score	.64

Exons	433..478, 492..746, 1017..1173, 1532..1724, 1762..1989, 2058..2247		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79942	Strand	-
Start	2854	End	7902
Name	OJ000204_18.0225.C8.o2.gs	Method	GENSCAN
Start	2854	End	7902
GI	none	Score	.85
Exons	2854..3540, 4187..4716, 4897..5082, 5901..5998, 6152..6348, 6408..6541, 7137..7442, 7875..7902		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79943	Strand	
Start	11934	End	12161
Name	OJ000204_18.0225.C8.o3.tm	Method	TBLASTX:Maize
Start	11934	End	12161
GI	none	Score	171
Exons	11934..12077, 12008..12079, 12120..12161, 12131..12160		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79944	Strand	
Start	12369	End	12562
Name	OJ000204_18.0225.C8.o1.tc	Method	TBLASTX:Cress
Start	12369	End	12562
GI	none	Score	221
Exons	12369..12551, 12371..12562, 12381..12560		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79945	Strand	
Start	12590	End	17300
Name	OJ000204_18.0225.C8.o1.tm	Method	TBLASTX:Maize
Start	12590	End	17300
GI	none	Score	337
Exons	12590..12847, 12591..12812, 12628..12816, 12789..12953, 12803..12949, 12842..12958, 14573..14956, 14583..14957, 14596..14958, 14746..14961, 15074..15151, 15077..15151, 15088..15174, 17214..17300		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79945	Strand	
Start	12590	End	17300
Name	OJ000204_18.0225.C8.o1.ts	Method	TBLASTX:Soybean
Start	14695	End	14918
GI	none	Score	281
Exons	14695..14910, 14711..14860, 14731..14913, 14769..14918		
Seq. No.	38843	Seq. ID	OJ000204_18.0225.C8
Gene No.	79946	Strand	
Start	17982	End	19740
Name	OJ000204_18.0225.C8.o2.tm	Method	TBLASTX:Maize
Start	17982	End	19740
GI	none	Score	179
Exons	17982..18101, 17983..18111, 17983..18108, 19410..19589, 19415..19738, 19415..19618, 19578..19736, 19579..19740		
Seq. No.	38844	Seq. ID	OJ000114_04.0207.C1

Gene No.	79947	Strand	-
Start	456	End	586
Name	OJ000114_04.0207.C1.o1.gs	Method	GENSCAN
Start	456	End	586
GI	none	Score	.47
Exons	456..586		

Seq. No.	38845	Seq. ID	OJ000114_04.0207.C2
Gene No.	79948	Strand	-
Start	591	End	781
Name	OJ000114_04.0207.C2.o1.gs	Method	GENSCAN
Start	591	End	781
GI	none	Score	.93
Exons	591..781		

Seq. No.	38846	Seq. ID	OJ000114_04.0207.C3
Gene No.	79949	Strand	+
Start	318	End	4079
Name	OJ000114_04.0207.C3.o1.np	Method	AAT/NAP
Start	318	End	4079
GI	4680204	Score	1021
Exons	318..1751, 1845..2995, 3070..3243, 3333..3467, 3871..4079		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	38846	Seq. ID	OJ000114_04.0207.C3
Gene No.	79949	Strand	+
Start	318	End	4079
Name	OJ000114_04.0207.C3.o1.gs	Method	GENSCAN
Start	393	End	4064
GI	none	Score	.47
Exons	393..822, 868..1268, 1338..1751, 1845..2038, 2328..2696, 2769..2981, 3070..3243, 3374..3442, 3543..3615, 3711..3809, 3909..4064		

Seq. No.	38846	Seq. ID	OJ000114_04.0207.C3
Gene No.	79949	Strand	+
Start	318	End	4079
Name	OJ000114_04.0207.C3.o1.tw	Method	TBLASTX:Wheat
Start	958	End	1361
GI	none	Score	196
Exons	958..1074, 960..1193, 960..1154, 1067..1201, 1191..1361, 1244..1360		

Seq. No.	38846	Seq. ID	OJ000114_04.0207.C3
Gene No.	79949	Strand	+
Start	318	End	4079
Name	OJ000114_04.0207.C3.o2.tw	Method	TBLASTX:Wheat
Start	1362	End	2057
GI	none	Score	66
Exons	1362..1442, 1683..1754, 1839..2057		

Seq. No.	38847	Seq. ID	OJ000114_04.0207.C4
Gene No.	79950	Strand	+
Start	457	End	3925
Name	OJ000114_04.0207.C4.o1.gs	Method	GENSCAN
Start	457	End	3925
GI	none	Score	.71

Exons	457..511, 725..1813, 1869..1961, 2046..2277, 2312..2313, 2464..2699, 3551..3725, 3812..3925		
Seq. No.	38848	Seq. ID	OJ000114_04.0207.C5
Gene No.	79951	Strand	-
Start	1	End	1425
Name	OJ000114_04.0207.C5.o1.np	Method	AAT/NAP
Start	1	End	850
GI	4467124	Score	207
Exons	1..573, 680..850		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38848	Seq. ID	OJ000114_04.0207.C5
Gene No.	79951	Strand	-
Start	1	End	1425
Name	OJ000114_04.0207.C5.o1.gs	Method	GENSCAN
Start	680	End	1425
GI	none	Score	.43
Exons	680..902, 984..1156, 1366..1425		

Seq. No.	38848	Seq. ID	OJ000114_04.0207.C5
Gene No.	79952	Strand	-
Start	1479	End	7109
Name	OJ000114_04.0207.C5.o1.gp	Method	AAT/GAP
Start	1479	End	2264
GI	95583_1.R1084	Score	1160
Exons	1479..1922, 2022..2264		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	38848	Seq. ID	OJ000114_04.0207.C5
Gene No.	79952	Strand	-
Start	1479	End	7109
Name	OJ000114_04.0207.C5.o2.np	Method	AAT/NAP
Start	1742	End	4491
GI	6815109	Score	146
Exons	1742..1761, 4098..4491		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38848	Seq. ID	OJ000114_04.0207.C5
Gene No.	79952	Strand	-
Start	1479	End	7109
Name	OJ000114_04.0207.C5.o3.np	Method	AAT/NAP
Start	3248	End	7109
GI	5042454	Score	283
Exons	3248..3324, 5862..6238, 7067..7109		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38849	Seq. ID	OJ000114_04.0207.C6
Gene No.	79953	Strand	-
Start	41	End	183
Name	OJ000114_04.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	40	End	183
GI	none	Score	235
Exons	40..183, 43..177, 44..178		

Seq. No.	38849	Seq. ID	OJ000114_04.0207.C6

Gene No.	79953	Strand	-
Start	41	End	183
Name	OJ000114_04.0207.C6.o1.gp	Method	AAT/GAP
Start	41	End	181
GI	5003694	Score	235
Exons	41..181		
GI Descrip.	343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)		

Seq. No.	38850	Seq. ID	OJ000114_04.0207.C7
Gene No.	79954	Strand	+
Start	179	End	2124
Name	OJ000114_04.0207.C7.o1.gp	Method	AAT/GAP
Start	179	End	1950
GI	6025022	Score	410
Exons	179..326, 1688..1769, 1905..1950		

Seq. No.	38850	Seq. ID	OJ000114_04.0207.C7
Gene No.	79954	Strand	+
Start	179	End	2124
Name	OJ000114_04.0207.C7.o1.gs	Method	GENSCAN
Start	483	End	2124
GI	none	Score	.57
Exons	483..692, 783..863, 1688..1769, 1905..1945, 1974..2124		

Seq. No.	38851	Seq. ID	OJ000114_04.0207.C8
Gene No.	79955	Strand	+
Start	1	End	687
Name	OJ000114_04.0207.C8.o1.np	Method	AAT/NAP
Start	1	End	687
GI	4585985	Score	333
Exons	1..486, 585..687		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38851	Seq. ID	OJ000114_04.0207.C8
Gene No.	79955	Strand	+
Start	1	End	687
Name	OJ000114_04.0207.C8.o1.tw	Method	TBLASTX:Wheat
Start	55	End	441
GI	none	Score	266
Exons	55..363, 156..350, 376..441		

Seq. No.	38851	Seq. ID	OJ000114_04.0207.C8
Gene No.	79955	Strand	+
Start	1	End	687
Name	OJ000114_04.0207.C8.o1.gs	Method	GENSCAN
Start	69	End	486
GI	none	Score	.75
Exons	69..486		

Seq. No.	38851	Seq. ID	OJ000114_04.0207.C8
Gene No.	79955	Strand	+
Start	1	End	687
Name	OJ000114_04.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	79	End	640
GI	none	Score	274
Exons	79..342, 85..363, 144..365, 363..437, 370..441, 584..640		

Seq. No.	38852	Seq. ID	OJ000114_04.0207.C9
Gene No.	79956	Strand	-
Start	1	End	605
Name	OJ000114_04.0207.C9.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5091513	Score	298
Exons	1..278, 322..605		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38852	Seq. ID	OJ000114_04.0207.C9
Gene No.	79956	Strand	-
Start	1	End	605
Name	OJ000114_04.0207.C9.o1.gs	Method	GENSCAN
Start	11	End	454
GI	none	Score	.71
Exons	11..166, 209..306, 394..454		

Seq. No.	38853	Seq. ID	OJ000114_04.0207.C10
Gene No.	79957	Strand	-
Start	1	End	384
Name	OJ000114_04.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	384
GI	5091513	Score	522
Exons	1..384		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38853	Seq. ID	OJ000114_04.0207.C10
Gene No.	79957	Strand	-
Start	1	End	384
Name	OJ000114_04.0207.C10.o1.gs	Method	GENSCAN
Start	38	End	279
GI	none	Score	1
Exons	38..279		

Seq. No.	38854	Seq. ID	OJ000114_04.0207.C11
Gene No.	79958	Strand	+
Start	232	End	459
Name	OJ000114_04.0207.C11.o1.gs	Method	GENSCAN
Start	232	End	459
GI	none	Score	.89
Exons	232..334, 422..459		

Seq. No.	38855	Seq. ID	OJ000114_04.0207.C13
Gene No.	79959	Strand	-
Start	1	End	161
Name	OJ000114_04.0207.C13.o1.np	Method	AAT/NAP
Start	1	End	161
GI	5852182	Score	260
Exons	1..161		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	38855	Seq. ID	OJ000114_04.0207.C13
Gene No.	79960	Strand	-
Start	82	End	161
Name	OJ000114_04.0207.C13.o1.gp	Method	AAT/GAP
Start	82	End	161

GI	2310235	Score	126
Exons	82..161		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	38856	Seq. ID	OJ000114_04.0207.C16
Gene No.	79961	Strand	+
Start	87	End	155
Name	OJ000114_04.0207.C16.o1.gs	Method	GENSCAN
Start	87	End	155
GI	none	Score	.52
Exons	87..155		

Seq. No.	38856	Seq. ID	OJ000114_04.0207.C16
Gene No.	79962	Strand	-
Start	1	End	366
Name	OJ000114_04.0207.C16.o1.np	Method	AAT/NAP
Start	1	End	366
GI	343210	Score	78
Exons	1..67, 270..366		
GI Descrip.	(M35995) apocytochrome b6 (alt.) [Oryza sativa] gi|226762|prf||1604469A cytochrome b6 [Oryza sativa]		

Seq. No.	38856	Seq. ID	OJ000114_04.0207.C16
Gene No.	79963	Strand	-
Start	272	End	337
Name	OJ000114_04.0207.C16.o1.gp	Method	AAT/GAP
Start	272	End	337
GI	uC-osf1cyp011b01b1	Score	90
Exons	272..337		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	38856	Seq. ID	OJ000114_04.0207.C16
Gene No.	79964	Strand	
Start	447	End	601
Name	OJ000114_04.0207.C16.o1.tc	Method	TBLASTX:Cress
Start	447	End	601
GI	none	Score	220
Exons	447..590, 450..584, 451..585, 452..601		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79965	Strand	+
Start	170	End	228
Name	OJ000114_04.0207.C17.o1.gp	Method	AAT/GAP
Start	170	End	228
GI	286920	Score	92
Exons	170..228		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79966	Strand	+
Start	888	End	1034
Name	OJ000114_04.0207.C17.o1.gs	Method	GENSCAN
Start	888	End	1034
GI	none	Score	.48
Exons	888..1034		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79967	Strand	-
Start	3676	End	5706
Name	OJ000114_04.0207.C17.o1.np	Method	AAT/NAP
Start	3556	End	5648
GI	6069646	Score	2250
Exons	3556..4535, 4820..5648		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79967	Strand	-
Start	3676	End	5706
Name	OJ000114_04.0207.C17.o2.tm	Method	TBLASTX:Maize
Start	3586	End	4167
GI	none	Score	67
Exons	3586..3780, 3814..4008, 3938..4009, 4042..4167		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79967	Strand	-
Start	3676	End	5706
Name	OJ000114_04.0207.C17.o2.gs	Method	GENSCAN
Start	3676	End	5706
GI	none	Score	.64
Exons	3676..3843, 3933..4146, 4178..4316, 4367..4539, 4554..4964, 5007..5233, 5317..5620, 5672..5706		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79967	Strand	-
Start	3676	End	5706
Name	OJ000114_04.0207.C17.o1.tw	Method	TBLASTX:Wheat
Start	3682	End	4017
GI	none	Score	68
Exons	3682..3714, 3838..4017, 3884..4006		

Seq. No.	38857	Seq. ID	OJ000114_04.0207.C17
Gene No.	79967	Strand	-
Start	3676	End	5706
Name	OJ000114_04.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	4597	End	5283
GI	none	Score	92
Exons	4597..4758, 4599..4757, 4757..5206, 4775..5194, 5188..5283, 5194..5274		

Seq. No.	38858	Seq. ID	OJ000114_04.0207.C19
Gene No.	79968	Strand	+
Start	1387	End	1498
Name	OJ000114_04.0207.C19.o1.gs	Method	GENSCAN
Start	1387	End	1498
GI	none	Score	.51
Exons	1387..1498		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79969	Strand	+

Start	91	End	4316
Name	OJ000114_04.0207.C22.o1.gs	Method	GENSCAN
Start	91	End	4316
GI	none	Score	.51
Exons	91..453, 511..643, 2008..2113, 2510..2689, 2777..2968, 3541..3557, 4048..4316		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79970	Strand	-
Start	1	End	560
Name	OJ000114_04.0207.C22.o1.np	Method	AAT/NAP
Start	1	End	560
GI	4417306	Score	217
Exons	1..560		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o2.gs	Method	GENSCAN
Start	5503	End	8488
GI	none	Score	.65
Exons	5503..5621, 5971..6121, 6411..6642, 6811..6872, 8034..8145, 8265..8488		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o2.np	Method	AAT/NAP
Start	7443	End	11521
GI	6466937	Score	678
Exons	7443..7466, 10556..11521		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o3.gs	Method	GENSCAN
Start	9196	End	11105
GI	none	Score	.56
Exons	9196..9316, 10754..10833, 10953..11105		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o2.tm	Method	TBLASTX:Maize
Start	10557	End	10788
GI	none	Score	41
Exons	10557..10589, 10561..10590, 10589..10726, 10590..10715, 10725..10778, 10741..10788		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o1.tm	Method	TBLASTX:Maize

Start	10818	End	11276
GI	none	Score	127
Exons	10818..11111, 10833..11105, 10834..11109, 11105..11182, 11126..11179, 11175..11276, 11179..11274		

Seq. No.	38859	Seq. ID	OJ000114_04.0207.C22
Gene No.	79971	Strand	-
Start	5503	End	11521
Name	OJ000114_04.0207.C22.o1.tw	Method	TBLASTX:Wheat
Start	10857	End	11339
GI	none	Score	47
Exons	10857..11111, 11093..11182, 11175..11339		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79972	Strand	+
Start	3548	End	8737
Name	OJ000114_04.0207.C23.o2.np	Method	AAT/NAP
Start	3548	End	8737
GI	5295955	Score	653
Exons	3548..3579, 4709..4872, 6027..6143, 6686..6800, 7480..7620, 7688..7944, 8022..8109, 8149..8597, 8625..8737		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79973	Strand	+
Start	9599	End	11410
Name	OJ000114_04.0207.C23.o3.np	Method	AAT/NAP
Start	9599	End	11410
GI	6630686	Score	70
Exons	9599..9645, 9710..9888, 11002..11121, 11326..11410		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79974	Strand	+
Start	14342	End	14473
Name	OJ000114_04.0207.C23.o4.np	Method	AAT/NAP
Start	14342	End	14473
GI	5922620	Score	176
Exons	14342..14473		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79975	Strand	-
Start	623	End	13785
Name	OJ000114_04.0207.C23.o1.np	Method	AAT/NAP
Start	495	End	5067
GI	4680179	Score	6524
Exons	495..5067		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79975	Strand	-

Start	623	End	13785
Name	OJ000114_04.0207.C23.o1.gs	Method	GENSCAN
Start	623	End	13785
GI	none	Score	.75
Exons	623..1180, 1469..2630, 2657..5064, 7107..7264, 7632..7826, 8045..8203, 9837..10117, 13140..13183, 13625..13691, 13730..13785		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o6.tw	Method	TBLASTX:Wheat
Start	540	End	872
GI	none	Score	86
Exons	540..644, 629..871, 660..872		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o1.tm	Method	TBLASTX:Maize
Start	731	End	1318
GI	none	Score	131
Exons	731..1000, 732..992, 1061..1159, 1062..1157, 1091..1159, 1157..1318, 1164..1310, 1168..1311		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o1.tw	Method	TBLASTX:Wheat
Start	872	End	1498
GI	none	Score	333
Exons	872..1498, 873..1442		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o4.tm	Method	TBLASTX:Maize
Start	1367	End	1659
GI	none	Score	155
Exons	1367..1657, 1371..1556, 1376..1588, 1468..1659		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o2.ts	Method	TBLASTX:Soybean
Start	1457	End	1717
GI	none	Score	54
Exons	1457..1525, 1457..1717, 1611..1712		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o3.tw	Method	TBLASTX:Wheat
Start	1505	End	1984
GI	none	Score	210
Exons	1505..1984, 1506..1889, 1511..1966		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o2.tw	Method	TBLASTX:Wheat
Start	1988	End	2497
GI	none	Score	296
Exons	1988..2497, 2079..2465		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o2.tm	Method	TBLASTX:Maize
Start	2072	End	2425
GI	none	Score	160
Exons	2072..2425, 2087..2383, 2157..2405		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o3.ts	Method	TBLASTX:Soybean
Start	2246	End	2488
GI	none	Score	198
Exons	2246..2488		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o5.tm	Method	TBLASTX:Maize
Start	2426	End	2778
GI	none	Score	36
Exons	2426..2644, 2433..2462, 2508..2636, 2638..2778, 2651..2767		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o5.tw	Method	TBLASTX:Wheat
Start	2498	End	2799
GI	none	Score	138
Exons	2498..2644, 2499..2636, 2644..2799, 2645..2761, 2671..2799		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o1.ts	Method	TBLASTX:Soybean
Start	2513	End	2907
GI	none	Score	86
Exons	2513..2644, 2514..2636, 2644..2871, 2645..2755, 2730..2807, 2794..2871, 2863..2907, 2875..2907		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o3.tm	Method	TBLASTX:Maize
Start	2794	End	3265
GI	none	Score	120
Exons	2794..3261, 2827..3174, 3020..3265		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o4.tw	Method	TBLASTX:Wheat
Start	2848	End	3334
GI	none	Score	317
Exons	2848..3330, 2891..3334		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o4.ts	Method	TBLASTX:Soybean
Start	2980	End	3261
GI	none	Score	62
Exons	2980..3261, 2981..3178		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o8.tw	Method	TBLASTX:Wheat
Start	3505	End	3859
GI	none	Score	73
Exons	3505..3858, 3541..3675, 3719..3859		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o6.tm	Method	TBLASTX:Maize
Start	3592	End	3912
GI	none	Score	204
Exons	3592..3912		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o7.tm	Method	TBLASTX:Maize
Start	4258	End	4554
GI	none	Score	61
Exons	4258..4554, 4457..4537		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o7.tw	Method	TBLASTX:Wheat
Start	4435	End	4798
GI	none	Score	69
Exons	4435..4794, 4457..4669, 4694..4798		

Seq. No.	38860	Seq. ID	OJ000114_04.0207.C23
Gene No.	79976	Strand	-
Start	15264	End	15339
Name	OJ000114_04.0207.C23.o5.np	Method	AAT/NAP
Start	15264	End	15339
GI	6630699	Score	78
Exons	15264..15339		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein		

[Oryza sativa]

Seq. No.	38861	Seq. ID	OJ000114_04.0207.C25
Gene No.	79977	Strand	+
Start	11	End	1237
Name	OJ000114_04.0207.C25.o1.np	Method	AAT/NAP
Start	11	End	1237
GI	343210	Score	78
Exons	11..106, 1124..1237		
GI Descrip.	(M35995) apocytochrome b6 (alt.) [Oryza sativa] gi|226762|prf||1604469A cytochrome b6 [Oryza sativa]		

Seq. No.	38861	Seq. ID	OJ000114_04.0207.C25
Gene No.	79977	Strand	+
Start	11	End	1237
Name	OJ000114_04.0207.C25.o2.np	Method	AAT/NAP
Start	681	End	951
GI	769711	Score	127
Exons	681..951		
GI Descrip.	(D32052) ORF90 [Oryza sativa]		

Seq. No.	38861	Seq. ID	OJ000114_04.0207.C25
Gene No.	79978	Strand	+
Start	1165	End	1237
Name	OJ000114_04.0207.C25.o2.gp	Method	AAT/GAP
Start	1165	End	1237
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1165..1237		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38862	Seq. ID	OJ000114_04.0207.C26
Gene No.	79979	Strand	+
Start	409	End	495
Name	OJ000114_04.0207.C26.o1.gp	Method	AAT/GAP
Start	409	End	495
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	409..495		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38863	Seq. ID	OJ000114_04.0207.C27
Gene No.	79980	Strand	+
Start	1	End	4670
Name	OJ000114_04.0207.C27.o1.np	Method	AAT/NAP
Start	1	End	4670
GI	5091513	Score	1819
Exons	1..26, 1356..2453, 3190..3822, 3856..3999, 4453..4670		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	38863	Seq. ID	OJ000114_04.0207.C27
Gene No.	79980	Strand	+
Start	1	End	4670
Name	OJ000114_04.0207.C27.o1.gp	Method	AAT/GAP
Start	140	End	473

GI	72524_1.R1084	Score	420
Exons	140..473		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	38864	Seq. ID	OJ000114_04.0207.C28
Gene No.	79981	Strand	-
Start	7	End	289
Name	OJ000114_04.0207.C28.o1.gs	Method	GENSCAN
Start	7	End	289
GI	none	Score	.43
Exons	7..289		

Seq. No.	38865	Seq. ID	OJ000114_04.0207.C30
Gene No.	79982	Strand	-
Start	165	End	648
Name	OJ000114_04.0207.C30.o1.gs	Method	GENSCAN
Start	165	End	648
GI	none	Score	.72
Exons	165..323, 581..648		

Seq. No.	38866	Seq. ID	OJ000114_04.0207.C31
Gene No.	79983	Strand	+
Start	1	End	121
Name	OJ000114_04.0207.C31.o1.np	Method	AAT/NAP
Start	1	End	121
GI	4680183	Score	132
Exons	1..121		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	38866	Seq. ID	OJ000114_04.0207.C31
Gene No.	79984	Strand	+
Start	146	End	387
Name	OJ000114_04.0207.C31.o1.gs	Method	GENSCAN
Start	146	End	387
GI	none	Score	.67
Exons	146..208, 310..387		

Seq. No.	38867	Seq. ID	OJ000114_04.0207.C32
Gene No.	79985	Strand	+
Start	431	End	475
Name	OJ000114_04.0207.C32.o1.gs	Method	GENSCAN
Start	431	End	475
GI	none	Score	.92
Exons	431..475		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.gp	Method	AAT/GAP
Start	1	End	1914
GI	342_1.R1084	Score	3128
Exons	1..1914		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33

Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.tw	Method	TBLASTX:Wheat
Start	3	End	1190
GI	none	Score	54
Exons	3..47, 10..48, 52..132, 54..170, 54..173, 61..201, 180..239, 190..243, 245..310, 246..290, 285..536, 318..557, 572..727, 573..728, 595..735, 703..1185, 759..1184, 1005..1190		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.np	Method	AAT/NAP
Start	370	End	1914
GI	6742729	Score	2231
Exons	370..1914		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.tc	Method	TBLASTX:Cress
Start	468	End	897
GI	none	Score	116
Exons	468..536, 572..727, 573..728, 703..897, 759..893		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.tm	Method	TBLASTX:Maize
Start	828	End	1142
GI	none	Score	125
Exons	828..1142, 856..1125		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o2.tw	Method	TBLASTX:Wheat
Start	1191	End	1596
GI	none	Score	64
Exons	1191..1271, 1192..1272, 1192..1275, 1305..1547, 1306..1527, 1533..1595, 1546..1596		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o1.ts	Method	TBLASTX:Soybean
Start	1615	End	1857
GI	none	Score	208
Exons	1615..1857		

Seq. No.	38868	Seq. ID	OJ000114_04.0207.C33
Gene No.	79986	Strand	-
Start	1	End	1914
Name	OJ000114_04.0207.C33.o3.tw	Method	TBLASTX:Wheat
Start	1721	End	1901
GI	none	Score	133

Exons	1721..1897, 1725..1901, 1726..1896		
Seq. No.	38869	Seq. ID	OJ000114_01.0215.C1
Gene No.	79987	Strand	-
Start	1	End	709
Name	OJ000114_01.0215.C1.o1.np	Method	AAT/NAP
Start	1	End	709
GI	5531416	Score	143
Exons	1..28, 104..207, 677..709		
GI Descrip.	(AJ243758) translocon Tic40 [Pisum sativum]		
Seq. No.	38869	Seq. ID	OJ000114_01.0215.C1
Gene No.	79987	Strand	-
Start	1	End	709
Name	OJ000114_01.0215.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	707
GI	none	Score	39
Exons	2..34, 2..37, 98..208, 105..209, 669..707		
Seq. No.	38869	Seq. ID	OJ000114_01.0215.C1
Gene No.	79987	Strand	-
Start	1	End	709
Name	OJ000114_01.0215.C1.o1.gs	Method	GENSCAN
Start	104	End	207
GI	none	Score	.58
Exons	104..207		
Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79988	Strand	-
Start	140	End	3154
Name	OJ000114_01.0215.C2.o1.gp	Method	AAT/GAP
Start	140	End	797
GI	none	Score	814
Exons	140..201, 275..393, 533..797		
Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79988	Strand	-
Start	140	End	3154
Name	OJ000114_01.0215.C2.o1.np	Method	AAT/NAP
Start	271	End	3154
GI	5531416	Score	173
Exons	271..408, 533..785, 2182..2257, 2341..2440, 2950..3154		
GI Descrip.	(AJ243758) translocon Tic40 [Pisum sativum]		
Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79988	Strand	-
Start	140	End	3154
Name	OJ000114_01.0215.C2.o1.gs	Method	GENSCAN
Start	275	End	3154
GI	none	Score	.74
Exons	275..393, 533..785, 2585..2774, 2880..2916, 2962..3154		
Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79989	Strand	-
Start	4088	End	6491
Name	OJ000114_01.0215.C2.o2.gs	Method	GENSCAN
Start	4088	End	6491

GI	none	Score	.98
Exons	4088..4567, 5407..5625, 6083..6205, 6324..6491		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79989	Strand	-
Start	4088	End	6491
Name	OJ000114_01.0215.C2.o2.np	Method	AAT/NAP
Start	4091	End	6491
GI	5306269	Score	500
Exons	4091..4162, 4199..4567, 5407..5625, 6083..6205, 6324..6491		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79989	Strand	-
Start	4088	End	6491
Name	OJ000114_01.0215.C2.o2.gp	Method	AAT/GAP
Start	4387	End	6298
GI	6792_1.R1084	Score	922
Exons	4387..4567, 5407..5625, 6083..6174, 6278..6298		
GI Descrip.	'5306269/gb|AAD42001.1|AC006233_12 7.0e-36 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o1.tw	Method	TBLASTX:Wheat
Start	544	End	2379
GI	none	Score	83
Exons	544..630, 556..621, 632..787, 633..737, 635..787, 2095..2112, 2195..2254, 2197..2256, 2198..2263, 2338..2379		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o4.tm	Method	TBLASTX:Maize
Start	594	End	828
GI	none	Score	61
Exons	594..644, 598..657, 598..828, 606..737, 611..787		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o3.tm	Method	TBLASTX:Maize
Start	2063	End	3173
GI	none	Score	91
Exons	2063..2113, 2197..2256, 2198..2263, 2315..2446, 2338..2451, 2338..2469, 3123..3173		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o2.tm	Method	TBLASTX:Maize
Start	5480	End	6516
GI	none	Score	141
Exons	5480..5626, 5482..5628, 6083..6220, 6084..6221, 6323..6391, 6459..6500, 6460..6516		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o1.tm	Method	TBLASTX:Maize
Start	7473	End	10927
GI	none	Score	46
Exons	7473..7502, 7557..7652, 7648..7761, 7671..7763, 7777..7872, 7781..7864, 7870..7929, 7874..7924, 7882..7926, 7926..7943, 7967..8011, 8018..8080, 8020..8094, 8022..8087, 8079..8168, 8079..8168, 8081..8170, 8081..8173, 8340..8396, 8344..8397, 8524..8631, 8525..8629, 8729..8797, 8730..8804, 8731..8820, 9406..9450, 9407..9487, 9407..9472, 9482..9601, 9492..9689, 9492..9617, 9493..9693, 9494..9688, 9496..9693, 9688..9855, 9689..9853, 9704..9859, 9853..9879, 9956..10054, 9956..10054, 9957..10055, 10813..10926, 10821..10925, 10826..10927, 10826..10927		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o3.gp	Method	AAT/GAP
Start	7853	End	9585
GI	none	Score	1469
Exons	7853..8218, 8343..8396, 8510..8627, 8731..8796, 9408..9585		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o3.gs	Method	GENSCAN
Start	8146	End	10929
GI	none	Score	.9
Exons	8146..8218, 8510..8627, 9408..9876, 9956..10053, 10845..10929		

Seq. No.	38870	Seq. ID	OJ000114_01.0215.C2
Gene No.	79990	Strand	-
Start	8146	End	10929
Name	OJ000114_01.0215.C2.o4.gp	Method	AAT/GAP
Start	9681	End	10004
GI	2796658	Score	432
Exons	9681..9876, 9956..10004		

Seq. No.	38871	Seq. ID	OJ000114_01.0215.C4
Gene No.	79991	Strand	+
Start	40	End	135
Name	OJ000114_01.0215.C4.o1.gs	Method	GENSCAN
Start	40	End	135
GI	none	Score	.7
Exons	40..135		

Seq. No.	38872	Seq. ID	OJ000114_01.0215.C5
Gene No.	79992	Strand	+
Start	1080	End	3732
Name	OJ000114_01.0215.C5.o1.gs	Method	GENSCAN
Start	1080	End	3732
GI	none	Score	.53
Exons	1080..1094, 2140..2188, 2244..2326, 3321..3503, 3612..3732		

Seq. No.	38872	Seq. ID	OJ000114_01.0215.C5
Gene No.	79993	Strand	-
Start	1919	End	3027
Name	OJ000114_01.0215.C5.o1.np	Method	AAT/NAP
Start	1919	End	3027
GI	6815053	Score	693
Exons	1919..2155, 2205..2380, 2881..3027		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	38873	Seq. ID	OJ000114_01.0215.C6
Gene No.	79994	Strand	+
Start	3069	End	3212
Name	OJ000114_01.0215.C6.o2.gs	Method	GENSCAN
Start	3069	End	3212
GI	none	Score	.61
Exons	3069..3212		

Seq. No.	38873	Seq. ID	OJ000114_01.0215.C6
Gene No.	79995	Strand	-
Start	223	End	3108
Name	OJ000114_01.0215.C6.o1.gp	Method	AAT/GAP
Start	223	End	3108
GI	16488_1.R1084	Score	960
Exons	223..296, 392..535, 637..775, 939..1069, 3032..3108		
GI Descrip.	'2459429 3.0e-20 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38873	Seq. ID	OJ000114_01.0215.C6
Gene No.	79995	Strand	-
Start	223	End	3108
Name	OJ000114_01.0215.C6.o1.tm	Method	TBLASTX:Maize
Start	252	End	1009
GI	none	Score	89
Exons	252..296, 378..485, 392..484, 482..538, 483..536, 634..705, 644..706, 694..783, 728..784, 938..1009, 939..992		

Seq. No.	38873	Seq. ID	OJ000114_01.0215.C6
Gene No.	79995	Strand	-
Start	223	End	3108
Name	OJ000114_01.0215.C6.o1.np	Method	AAT/NAP
Start	264	End	2385
GI	2459429	Score	124
Exons	264..296, 392..535, 637..775, 939..1067, 2360..2385		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	38873	Seq. ID	OJ000114_01.0215.C6
Gene No.	79995	Strand	-
Start	223	End	3108
Name	OJ000114_01.0215.C6.o1.gs	Method	GENSCAN
Start	392	End	2011
GI	none	Score	.74
Exons	392..535, 637..775, 939..1069, 1391..1509, 1978..2011		

Seq. No.	38874	Seq. ID	OJ000114_01.0215.C7
Gene No.	79996	Strand	+
Start	154	End	1797
Name	OJ000114_01.0215.C7.o1.gs	Method	GENSCAN

Start	154	End	1797
GI	none	Score	.75
Exons	154..326, 1628..1797		

Seq. No.	38875	Seq. ID	OJ000114_01.0215.C8
Gene No.	79997	Strand	+
Start	159	End	189
Name	OJ000114_01.0215.C8.o1.gs	Method	GENSCAN
Start	159	End	189
GI	none	Score	.76
Exons	159..189		

Seq. No.	38876	Seq. ID	OJ000114_01.0215.C9
Gene No.	79998	Strand	-
Start	1	End	322
Name	OJ000114_01.0215.C9.o1.gp	Method	AAT/GAP
Start	1	End	322
GI	1631805	Score	600
Exons	1..322		

Seq. No.	38877	Seq. ID	OJ000114_01.0215.C10
Gene No.	79999	Strand	+
Start	62	End	328
Name	OJ000114_01.0215.C10.o1.gs	Method	GENSCAN
Start	62	End	328
GI	none	Score	.57
Exons	62..92, 252..328		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80000	Strand	+
Start	44	End	3627
Name	OJ000114_01.0215.C11.o2.np	Method	AAT/NAP
Start	44	End	3627
GI	5734709	Score	224
Exons	44..188, 1308..1952, 3591..3627		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.np	Method	AAT/NAP
Start	1	End	3627
GI	4371296	Score	446
Exons	1..202, 248..596, 639..1092, 3535..3627		
GI Descrip.	(AC006260) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o3.np	Method	AAT/NAP
Start	1	End	3627
GI	5734709	Score	443
Exons	1..202, 248..414, 442..596, 639..815, 997..1281, 2044..2332, 3600..3627		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain.		

[Arabidopsis thaliana]

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.gs	Method	GENSCAN
Start	9	End	2189
GI	none	Score	.96
Exons	9..2189		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	24	End	746
GI	none	Score	110
Exons	24..167, 55..159, 243..374, 250..360, 453..590, 463..591, 669..746		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.ts	Method	TBLASTX:Soybean
Start	30	End	848
GI	none	Score	153
Exons	30..167, 31..162, 243..383, 247..363, 451..609, 453..608, 660..848, 661..840		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.tc	Method	TBLASTX:Cress
Start	42	End	809
GI	none	Score	86
Exons	42..179, 55..159, 243..383, 250..333, 453..590, 463..603, 648..809		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o1.tw	Method	TBLASTX:Wheat
Start	42	End	509
GI	none	Score	57
Exons	42..167, 48..95, 55..168, 234..383, 244..363, 456..509		

Seq. No.	38878	Seq. ID	OJ000114_01.0215.C11
Gene No.	80001	Strand	-
Start	1	End	3627
Name	OJ000114_01.0215.C11.o2.ts	Method	TBLASTX:Soybean
Start	1146	End	1619
GI	none	Score	75
Exons	1146..1184, 1182..1439, 1183..1320, 1338..1442, 1491..1595, 1494..1619		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80002	Strand	+
Start	3973	End	4203

Name	OJ000114_01.0215.C14.o1.gp	Method	AAT/GAP
Start	3973	End	4203
GI	15591_1.R1084	Score	293
Exons	3973..4203		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80003	Strand	+
Start	9356	End	9670
Name	OJ000114_01.0215.C14.o2.gp	Method	AAT/GAP
Start	9356	End	9670
GI	86158_1.R1084	Score	388
Exons	9356..9484, 9509..9670		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80003	Strand	+
Start	9356	End	9670
Name	OJ000114_01.0215.C14.o3.gp	Method	AAT/GAP
Start	9356	End	9670
GI	86158_1.R1084	Score	383
Exons	9356..9484, 9509..9670		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80004	Strand	+
Start	10056	End	10510
Name	OJ000114_01.0215.C14.o4.gp	Method	AAT/GAP
Start	10056	End	10510
GI	36280_1.R1084	Score	866
Exons	10056..10510		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80005	Strand	+
Start	12204	End	12639
Name	OJ000114_01.0215.C14.o6.gp	Method	AAT/GAP
Start	12204	End	12639
GI	uC-osf1M2020118f01a1	Score	821
Exons	12204..12639		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80006	Strand	+
Start	14652	End	14971
Name	OJ000114_01.0215.C14.o7.gp	Method	AAT/GAP
Start	14652	End	14971
GI	86158_1.R1084	Score	388

Exons	14652..14780, 14805..14971		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80006	Strand	+
Start	14652	End	14971
Name	OJ000114_01.0215.C14.o8.gp	Method	AAT/GAP
Start	14652	End	14966
GI	86158_1.R1084	Score	389
Exons	14652..14780, 14805..14966		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80007	Strand	+
Start	15873	End	16370
Name	OJ000114_01.0215.C14.o9.gp	Method	AAT/GAP
Start	15873	End	16370
GI	none	Score	822
Exons	15873..16370		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o5.ts	Method	TBLASTX:Soybean
Start	6733	End	7857
GI	none	Score	151
Exons	6733..6870, 6987..7163, 6992..7162, 7744..7857		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o9.tm	Method	TBLASTX:Maize
Start	6735	End	7815
GI	none	Score	106
Exons	6735..6845, 6736..6870, 6737..6844, 6979..7158, 6986..7159, 6987..7160, 7744..7815		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o13.tm	Method	TBLASTX:Maize
Start	8038	End	8571
GI	none	Score	81
Exons	8038..8103, 8361..8570, 8361..8570, 8362..8571		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o6.ts	Method	TBLASTX:Soybean
Start	8747	End	8989
GI	none	Score	208
Exons	8747..8989, 8758..8961		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-

Start	9679	End	19644
Name	OJ000114_01.0215.C14.o3.gs	Method	GENSCAN
Start	9679	End	19584
GI	none	Score	.81
Exons	9679..14504, 15838..15864, 16072..16112, 17003..17452, 17571..17833, 17937..18167, 18261..18488, 18595..19584		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o1.np	Method	AAT/NAP
Start	9682	End	14484
GI	5295971	Score	8140
Exons	9682..14484		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o4.ts	Method	TBLASTX:Soybean
Start	9706	End	10356
GI	none	Score	51
Exons	9706..9939, 9839..9925, 9994..10182, 10022..10183, 10195..10356		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o1.tc	Method	TBLASTX:Cress
Start	9715	End	10377
GI	none	Score	101
Exons	9715..9933, 9719..9925, 10000..10080, 10004..10081, 10096..10377, 10097..10183, 10205..10315		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o6.tm	Method	TBLASTX:Maize
Start	9716	End	10105
GI	none	Score	255
Exons	9716..9940, 9716..10102, 9718..10104, 9718..10104, 9998..10105		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o4.tw	Method	TBLASTX:Wheat
Start	9745	End	10164
GI	none	Score	65
Exons	9745..9948, 9758..9925, 9994..10164, 10004..10081		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o14.tm	Method	TBLASTX:Maize
Start	10111	End	10294
GI	none	Score	122

Exons	10111..10293, 10112..10294		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o5.tw	Method	TBLASTX:Wheat
Start	10198	End	10509
GI	none	Score	64
Exons	10198..10377, 10402..10509		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o3.tm	Method	TBLASTX:Maize
Start	10294	End	10683
GI	none	Score	459
Exons	10294..10683, 10294..10683		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o1.tw	Method	TBLASTX:Wheat
Start	10510	End	11065
GI	none	Score	66
Exons	10510..10734, 10720..11064, 10724..10909, 10744..10911, 10976..11065		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o2.ts	Method	TBLASTX:Soybean
Start	10735	End	11232
GI	5509260	Score	130
Exons	10735..11232, 10754..10912, 10976..11152		
GI Descrip.	-		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o4.tc	Method	TBLASTX:Cress
Start	10846	End	11110
GI	none	Score	91
Exons	10846..11109, 10979..11110		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o7.tm	Method	TBLASTX:Maize
Start	10885	End	11181
GI	none	Score	181
Exons	10885..11181, 10886..11155		
Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o1.ts	Method	TBLASTX:Soybean
Start	11683	End	12162

GI	none	Score	161
Exons	11683..11829, 11854..12162, 11867..12157		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o2.tc	Method	TBLASTX:Cress
Start	11707	End	12147
GI	none	Score	60
Exons	11707..11829, 11851..12147, 11861..12007, 12065..12097		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o2.tm	Method	TBLASTX:Maize
Start	11767	End	12193
GI	none	Score	569
Exons	11767..12189, 11768..12193		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o5.gp	Method	AAT/GAP
Start	11840	End	12195
GI	uC-osflcyp139c12a1	Score	593
Exons	11840..12195		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o3.tw	Method	TBLASTX:Wheat
Start	11845	End	12396
GI	none	Score	42
Exons	11845..11925, 11858..11929, 11932..12198, 12032..12181, 12256..12396		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o7.ts	Method	TBLASTX:Soybean
Start	12256	End	12531
GI	none	Score	194
Exons	12256..12531, 12355..12435		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o2.tw	Method	TBLASTX:Wheat
Start	12469	End	12922
GI	none	Score	57
Exons	12469..12561, 12469..12549, 12541..12918, 12556..12921, 12617..12922		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o10.tm	Method	TBLASTX:Maize
Start	12592	End	12832
GI	none	Score	262
Exons	12592..12831, 12593..12832		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o1.tm	Method	TBLASTX:Maize
Start	12847	End	13567
GI	none	Score	413
Exons	12847..13272, 12847..13212, 12948..13271, 13277..13309, 13279..13308, 13291..13566, 13292..13549, 13292..13567		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o8.tm	Method	TBLASTX:Maize
Start	13801	End	14092
GI	none	Score	215
Exons	13801..14022, 13801..14091, 13877..14092		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o12.tm	Method	TBLASTX:Maize
Start	15001	End	15912
GI	none	Score	196
Exons	15001..15141, 15020..15127, 15198..15296, 15205..15294, 15850..15912		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o11.tm	Method	TBLASTX:Maize
Start	16903	End	17638
GI	none	Score	137
Exons	16903..17205, 16991..17227, 17158..17271, 17165..17230, 17257..17424, 17285..17407, 17419..17463, 17419..17478, 17553..17636, 17573..17638, 17579..17638		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o2.np	Method	AAT/NAP
Start	16980	End	19644
GI	2462826	Score	1073
Exons	16980..17268, 17305..17434, 17571..17818, 17912..18167, 18261..18488, 18595..19644		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644

Name	OJ000114_01.0215.C14.o10.gp	Method	AAT/GAP
Start	17610	End	18493
GI	13300_1.R1084	Score	1213
Exons	17610..17833, 17937..18167, 18261..18493		
GI Descrip.	'2462826 1.0e-16 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o4.tm	Method	TBLASTX:Maize
Start	17639	End	18480
GI	none	Score	147
Exons	17639..17857, 17640..17753, 17647..17826, 17941..18156, 17943..18170, 18081..18170, 18259..18342, 18259..18345, 18261..18392, 18261..18389, 18392..18478, 18393..18479, 18396..18479, 18406..18480		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o11.gp	Method	AAT/GAP
Start	17666	End	18488
GI	13300_1.R1084	Score	1093
Exons	17666..17833, 17937..18167, 18261..18488		
GI Descrip.	'2462826 1.0e-16 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o12.gp	Method	AAT/GAP
Start	17759	End	18692
GI	13300_1.R1084	Score	1065
Exons	17759..17833, 17937..18167, 18261..18488, 18595..18692		
GI Descrip.	'2462826 1.0e-16 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o3.ts	Method	TBLASTX:Soybean
Start	17940	End	19401
GI	none	Score	98
Exons	17940..18170, 17971..18156, 18258..18491, 18592..18879, 18646..18879, 19000..19134, 19010..19135, 19108..19173, 19189..19392, 19198..19401		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o5.tc	Method	TBLASTX:Cress
Start	18646	End	18882
GI	none	Score	94
Exons	18646..18882, 18659..18832		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14

Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o5.tm	Method	TBLASTX:Maize
Start	18741	End	19287
GI	none	Score	114
Exons	18741..18941, 18742..18891, 18746..18958, 18804..18935, 18896..18976, 18956..19240, 18957..19277, 18973..19287		

Seq. No.	38879	Seq. ID	OJ000114_01.0215.C14
Gene No.	80008	Strand	-
Start	9679	End	19644
Name	OJ000114_01.0215.C14.o3.tc	Method	TBLASTX:Cress
Start	19225	End	19542
GI	none	Score	74
Exons	19225..19344, 19225..19386, 19390..19542		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80009	Strand	+
Start	77	End	1229
Name	OJ000114_01.0215.C15.o1.gs	Method	GENSCAN
Start	77	End	1229
GI	none	Score	.75
Exons	77..209, 1135..1229		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80010	Strand	+
Start	5787	End	13577
Name	OJ000114_01.0215.C15.o2.np	Method	AAT/NAP
Start	5787	End	13577
GI	3153821	Score	155
Exons	5787..5853, 5941..6081, 10643..11025, 12131..12296, 13230..13577		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o2.gs	Method	GENSCAN
Start	4053	End	10860
GI	none	Score	.9
Exons	4053..4178, 5679..6105, 6219..6478, 6575..6805, 6897..7082, 7232..8564, 8669..8775, 8865..9309, 9406..9527, 10747..10860		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.gp	Method	AAT/GAP
Start	5320	End	5485
GI	3767941	Score	260
Exons	5320..5485		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o4.tm	Method	TBLASTX:Maize
Start	5628	End	6286
GI	none	Score	118

Exons	5628..5819, 5643..5774, 5799..5930, 5817..6074, 5938..6066, 6019..6081, 6072..6116, 6078..6131, 6177..6284, 6219..6284, 6221..6286, 6227..6286		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.np	Method	AAT/NAP
Start	5642	End	10933
GI	2462826	Score	1816
Exons	5642..5927, 5958..6087, 6219..6432, 6525..6805, 6897..7124, 7232..8564, 8669..8775, 8865..9309, 9406..9527, 10747..10933		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.tw	Method	TBLASTX:Wheat
Start	5688	End	5990
GI	none	Score	60
Exons	5688..5774, 5697..5819, 5796..5960, 5817..5990		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o2.gp	Method	AAT/GAP
Start	6258	End	7383
GI	13300_1.R1084	Score	1569
Exons	6258..6478, 6575..6805, 6897..7124, 7232..7383		
GI Descrip.	'2462826 1.0e-16 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o3.tm	Method	TBLASTX:Maize
Start	6287	End	7116
GI	none	Score	148
Exons	6287..6388, 6288..6404, 6292..6393, 6295..6480, 6300..6413, 6579..6833, 6581..6808, 6895..6978, 6897..7028, 6897..7025, 7028..7114, 7029..7115, 7030..7116, 7042..7116		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.ts	Method	TBLASTX:Soybean
Start	6578	End	8026
GI	none	Score	88
Exons	6578..6808, 6609..6794, 6894..7127, 7229..7516, 7289..7516, 7619..7693, 7676..7810, 7686..7811, 7784..8026, 7824..8024		

Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.tm	Method	TBLASTX:Maize
Start	7379	End	7961
GI	none	Score	126

Exons	7379..7615, 7382..7534, 7444..7611, 7616..7771, 7622..7855, 7623..7841, 7633..7842, 7820..7855, 7843..7956, 7850..7942, 7850..7960, 7854..7961		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o1.tc	Method	TBLASTX:Cress
Start	7898	End	8239
GI	none	Score	79
Exons	7898..8068, 7899..8024, 8072..8239, 8096..8197		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o3.ts	Method	TBLASTX:Soybean
Start	8072	End	8356
GI	none	Score	78
Exons	8072..8212, 8072..8326, 8127..8240, 8297..8356		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o2.tc	Method	TBLASTX:Cress
Start	8339	End	8590
GI	none	Score	61
Exons	8339..8590, 8369..8566, 8373..8567		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o2.tm	Method	TBLASTX:Maize
Start	8896	End	9519
GI	none	Score	51
Exons	8896..8943, 8912..8944, 8971..9156, 8978..9304, 8978..9310, 9034..9312, 9036..9311, 9208..9312, 9404..9445, 9405..9509, 9405..9512, 9406..9519		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o2.ts	Method	TBLASTX:Soybean
Start	8928	End	9533
GI	none	Score	42
Exons	8928..9311, 8978..9031, 9106..9312, 9405..9470, 9453..9533		
Seq. No.	38880	Seq. ID	OJ000114_01.0215.C15
Gene No.	80011	Strand	-
Start	4053	End	10933
Name	OJ000114_01.0215.C15.o3.gp	Method	AAT/GAP
Start	9133	End	10879
GI	2428599	Score	723
Exons	9133..9309, 9406..9527, 10747..10879		
GI Descrip.	2462826 1.0e-16 (AF000657) unknown protein [Arabidopsis thaliana]		
Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16

Gene No.	80012	Strand	+
Start	3461	End	10838
Name	OJ000114_01.0215.C16.o1.np	Method	AAT/NAP
Start	3461	End	10838
GI	133322	Score	294
Exons	3461..3500, 7337..7563, 9174..9832, 10747..10838		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT gi|102468|pir||A34092 DNA-directed RNA polymerase (EC 2.7.7.6) II large chain - Caenorhabditis elegans gi|156405 (M29235) RNA polymerase II [Caenorhabditis elegans]		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80013	Strand	+
Start	10966	End	13233
Name	OJ000114_01.0215.C16.o3.gs	Method	GENSCAN
Start	10966	End	13233
GI	none	Score	.42
Exons	10966..11152, 11962..12294, 12477..12749, 13130..13233		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80014	Strand	+
Start	15810	End	18049
Name	OJ000114_01.0215.C16.o5.gs	Method	GENSCAN
Start	15810	End	17807
GI	none	Score	.75
Exons	15810..16219, 16316..16472, 17762..17807		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80014	Strand	+
Start	15810	End	18049
Name	OJ000114_01.0215.C16.o3.np	Method	AAT/NAP
Start	16012	End	18049
GI	1519701	Score	118
Exons	16012..16216, 16316..16428, 18011..18049		
GI Descrip.	(U67957) K02H8.1 gene product [Caenorhabditis elegans]		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80015	Strand	-
Start	7172	End	9850
Name	OJ000114_01.0215.C16.o2.gs	Method	GENSCAN
Start	7172	End	9850
GI	none	Score	.44
Exons	7172..7272, 7310..7479, 8006..8183, 8379..8505, 9782..9850		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80016	Strand	-
Start	11377	End	11464
Name	OJ000114_01.0215.C16.o2.np	Method	AAT/NAP
Start	11377	End	11464
GI	5852093	Score	45
Exons	11377..11464		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80017	Strand	-
Start	13727	End	14260
Name	OJ000114_01.0215.C16.o4.gs	Method	GENSCAN

Start	13727	End	14260
GI	none	Score	.97
Exons	13727..14061, 14248..14260		

Seq. No.	38881	Seq. ID	OJ000114_01.0215.C16
Gene No.	80018	Strand	
Start	16091	End	17804
Name	OJ000114_01.0215.C16.o1.tm	Method	TBLASTX:Maize
Start	16091	End	17804
GI	none	Score	190
Exons	16091..16195, 16092..16247, 16131..16193, 16131..16202, 16314..16412, 16316..16411, 16320..16367, 16356..16403, 17769..17804		

Seq. No.	38882	Seq. ID	OJ000114_01.0215.C17
Gene No.	80019	Strand	+
Start	1	End	1188
Name	OJ000114_01.0215.C17.o1.np	Method	AAT/NAP
Start	1	End	1188
GI	2887431	Score	67
Exons	1..21, 925..1011, 1089..1188		
GI Descrip.	(AB007888) KIAA0428 [Homo sapiens]		

Seq. No.	38882	Seq. ID	OJ000114_01.0215.C17
Gene No.	80019	Strand	+
Start	1	End	1188
Name	OJ000114_01.0215.C17.o1.gs	Method	GENSCAN
Start	45	End	798
GI	none	Score	.54
Exons	45..101, 745..798		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80020	Strand	+
Start	237	End	453
Name	OJ000114_01.0215.C18.o1.gs	Method	GENSCAN
Start	237	End	453
GI	none	Score	.69
Exons	237..291, 356..453		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80021	Strand	+
Start	3059	End	12087
Name	OJ000114_01.0215.C18.o3.gs	Method	GENSCAN
Start	3059	End	12087
GI	none	Score	.64
Exons	3059..3588, 3734..3833, 4351..4506, 4595..4703, 6132..6215, 6579..6876, 7687..7947, 8410..8486, 8992..9188, 9210..10057, 10152..11804, 11868..12087		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80021	Strand	+
Start	3059	End	12087
Name	OJ000114_01.0215.C18.o1.np	Method	AAT/NAP
Start	8796	End	12084
GI	6907089	Score	5079
Exons	8796..10057, 10152..12084		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80022	Strand	-
Start	1358	End	1872
Name	OJ000114_01.0215.C18.o2.gs	Method	GENSCAN
Start	1358	End	1872
GI	none	Score	.56
Exons	1358..1582, 1660..1815, 1864..1872		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o4.tm	Method	TBLASTX:Maize
Start	2986	End	3475
GI	none	Score	221
Exons	2986..3168, 2987..3160, 3167..3274, 3308..3337, 3422..3475		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o5.tm	Method	TBLASTX:Maize
Start	12712	End	12858
GI	none	Score	126
Exons	12712..12858, 12719..12853		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o2.np	Method	AAT/NAP
Start	12718	End	18333
GI	6498441	Score	6895
Exons	12718..12999, 13093..14458, 14630..14926, 15119..15545, 15720..15854, 16038..16411, 16475..16938, 17269..18333		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o5.tw	Method	TBLASTX:Wheat
Start	12727	End	13335
GI	none	Score	77
Exons	12727..12852, 12731..12853, 12883..12957, 13019..13324, 13039..13335, 13046..13291		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o7.tw	Method	TBLASTX:Wheat
Start	13357	End	13662
GI	none	Score	161
Exons	13357..13662, 13361..13609		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170

Name	OJ000114_01.0215.C18.o3.tm	Method	TBLASTX:Maize
Start	13525	End	13816
GI	none	Score	91
Exons	13525..13659, 13541..13657, 13653..13787, 13664..13816		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o8.tw	Method	TBLASTX:Wheat
Start	14009	End	14321
GI	none	Score	67
Exons	14009..14269, 14145..14321		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o2.ts	Method	TBLASTX:Soybean
Start	14069	End	14635
GI	5666795	Score	68
Exons	14069..14269, 14324..14461, 14537..14635		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o4.tw	Method	TBLASTX:Wheat
Start	14324	End	17784
GI	none	Score	84
Exons	14324..14473, 14325..14462, 14507..14758, 14508..14693, 14528..14743, 17731..17784		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o3.np	Method	AAT/NAP
Start	15307	End	19170
GI	5042454	Score	2147
Exons	15307..15402, 17443..18856, 18913..19017, 19101..19170		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o1.ts	Method	TBLASTX:Soybean
Start	15383	End	15754
GI	none	Score	90
Exons	15383..15754, 15594..15737		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o2.tw	Method	TBLASTX:Wheat
Start	15413	End	15833
GI	none	Score	319
Exons	15413..15832, 15420..15833		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18

Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o2.tm	Method	TBLASTX:Maize
Start	15506	End	15890
GI	none	Score	236
Exons	15506..15889, 15525..15890		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o1.tm	Method	TBLASTX:Maize
Start	15917	End	16273
GI	none	Score	124
Exons	15917..16222, 15917..16273, 15927..16238		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o1.tw	Method	TBLASTX:Wheat
Start	15941	End	16403
GI	none	Score	223
Exons	15941..16402, 15947..16402, 15948..16403		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o3.ts	Method	TBLASTX:Soybean
Start	15998	End	16363
GI	none	Score	118
Exons	15998..16132, 16139..16363		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o3.tw	Method	TBLASTX:Wheat
Start	16568	End	17054
GI	none	Score	164
Exons	16568..17053, 16599..16859, 16875..17054		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o6.tw	Method	TBLASTX:Wheat
Start	17792	End	18184
GI	none	Score	73
Exons	17792..18049, 17826..18032, 18032..18130, 18075..18125, 18137..18184		

Seq. No.	38883	Seq. ID	OJ000114_01.0215.C18
Gene No.	80023	Strand	-
Start	12718	End	19170
Name	OJ000114_01.0215.C18.o4.np	Method	AAT/NAP
Start	19070	End	19170
GI	5042454	Score	78
Exons	19070..19170		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	38884	Seq. ID	OJ000114_01.0215.C19
Gene No.	80024	Strand	+
Start	1623	End	3576
Name	OJ000114_01.0215.C19.o1.np	Method	AAT/NAP
Start	1623	End	3576
GI	6665553	Score	122
Exons	1623..1838, 3492..3576		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38884	Seq. ID	OJ000114_01.0215.C19
Gene No.	80024	Strand	+
Start	1623	End	3576
Name	OJ000114_01.0215.C19.o1.tm	Method	TBLASTX:Maize
Start	1659	End	2111
GI	none	Score	236
Exons	1659..1835, 1662..1826, 1667..1858, 1912..1965, 1913..1945, 1945..2094, 1976..2110, 1977..2111		

Seq. No.	38884	Seq. ID	OJ000114_01.0215.C19
Gene No.	80024	Strand	+
Start	1623	End	3576
Name	OJ000114_01.0215.C19.o2.tm	Method	TBLASTX:Maize
Start	2112	End	2990
GI	none	Score	98
Exons	2112..2219, 2135..2227, 2238..2354, 2376..2465, 2376..2465, 2561..2692, 2587..2703, 2839..2970, 2844..2990, 2844..2969		

Seq. No.	38884	Seq. ID	OJ000114_01.0215.C19
Gene No.	80024	Strand	+
Start	1623	End	3576
Name	OJ000114_01.0215.C19.o1.gp	Method	AAT/GAP
Start	2642	End	3135
GI	none	Score	792
Exons	2642..2692, 2779..3135		

Seq. No.	38885	Seq. ID	OJ000114_01.0215.C20
Gene No.	80025	Strand	+
Start	2442	End	5731
Name	OJ000114_01.0215.C20.o1.gs	Method	GENSCAN
Start	2442	End	5731
GI	none	Score	.51
Exons	2442..2547, 2606..3766, 4957..5355, 5492..5731		

Seq. No.	38885	Seq. ID	OJ000114_01.0215.C20
Gene No.	80025	Strand	+
Start	2442	End	5731
Name	OJ000114_01.0215.C20.o2.tm	Method	TBLASTX:Maize
Start	2757	End	2983
GI	none	Score	209
Exons	2757..2807, 2834..2983, 2834..2983		

Seq. No.	38885	Seq. ID	OJ000114_01.0215.C20
Gene No.	80025	Strand	+
Start	2442	End	5731
Name	OJ000114_01.0215.C20.o1.np	Method	AAT/NAP
Start	2783	End	5135
GI	6665553	Score	123

Exons	2783..2983, 5031..5135		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38885	Seq. ID	OJ000114_01.0215.C20
Gene No.	80025	Strand	+
Start	2442	End	5731
Name	OJ000114_01.0215.C20.o1.gp	Method	AAT/GAP
Start	4187	End	4431
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	4187..4266, 4397..4431		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	38885	Seq. ID	OJ000114_01.0215.C20
Gene No.	80026	Strand	
Start	7241	End	7389
Name	OJ000114_01.0215.C20.o1.tm	Method	TBLASTX:Maize
Start	7241	End	7389
GI	none	Score	235
Exons	7241..7384, 7243..7389		
Seq. No.	38886	Seq. ID	OJ000114_01.0215.C21
Gene No.	80027	Strand	+
Start	432	End	735
Name	OJ000114_01.0215.C21.o1.tm	Method	TBLASTX:Maize
Start	429	End	735
GI	none	Score	87
Exons	429..497, 430..531, 431..532, 431..532, 612..689, 619..735, 621..668, 632..694, 634..732		
Seq. No.	38886	Seq. ID	OJ000114_01.0215.C21
Gene No.	80027	Strand	+
Start	432	End	735
Name	OJ000114_01.0215.C21.o1.ts	Method	TBLASTX:Soybean
Start	430	End	735
GI	none	Score	122
Exons	430..531, 431..532, 612..689, 619..735		
Seq. No.	38886	Seq. ID	OJ000114_01.0215.C21
Gene No.	80027	Strand	+
Start	432	End	735
Name	OJ000114_01.0215.C21.o1.gs	Method	GENSCAN
Start	432	End	733
GI	none	Score	.69
Exons	432..566, 635..733		
Seq. No.	38887	Seq. ID	OJ000114_08.0225.C1
Gene No.	80028	Strand	+
Start	1170	End	1568
Name	OJ000114_08.0225.C1.o1.gs	Method	GENSCAN
Start	1170	End	1568
GI	none	Score	.56
Exons	1170..1281, 1464..1568		
Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80029	Strand	+

Start	78	End	1332
Name	OJ000114_08.0225.C2.o1.gs	Method	GENSCAN
Start	78	End	1332
GI	none	Score	.77
Exons	78..286, 492..694, 790..1332		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80030	Strand	+
Start	5782	End	6142
Name	OJ000114_08.0225.C2.o3.gs	Method	GENSCAN
Start	5782	End	6142
GI	none	Score	.74
Exons	5782..5864, 6037..6142		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80031	Strand	-
Start	2215	End	4155
Name	OJ000114_08.0225.C2.o2.gs	Method	GENSCAN
Start	2215	End	4155
GI	none	Score	.94
Exons	2215..2927, 3239..3448, 3853..3946, 4057..4155		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80031	Strand	-
Start	2215	End	4155
Name	OJ000114_08.0225.C2.o1.np	Method	AAT/NAP
Start	2221	End	4131
GI	2462829	Score	554
Exons	2221..2930, 3239..3448, 3853..3933, 4044..4131		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80031	Strand	-
Start	2215	End	4155
Name	OJ000114_08.0225.C2.o1.gp	Method	AAT/GAP
Start	2798	End	3954
GI	1632026	Score	740
Exons	2798..2927, 3239..3448, 3853..3954		
GI Descrip.	2462829 9.0e-12 (AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	2223	End	2580
GI	none	Score	43
Exons	2223..2516, 2224..2265, 2227..2538, 2285..2515, 2508..2579, 2509..2580		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o2.ts	Method	TBLASTX:Soybean
Start	2380	End	3913
GI	none	Score	39
Exons	2380..2517, 2542..2673, 2758..2919, 2761..2817, 2807..2914,		

3232..3456, 3237..3452, 3857..3913

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o3.tm	Method	TBLASTX:Maize
Start	2692	End	4111
GI	none	Score	177
Exons	2692..2952, 2692..2751, 2716..2928, 3240..3449, 3240..3449, 3241..3456, 3854..3949, 3855..3947, 4054..4110, 4058..4111		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o2.np	Method	AAT/NAP
Start	6008	End	8607
GI	5103809	Score	542
Exons	6008..6045, 7538..7632, 7729..7982, 8526..8607		
GI Descrip.	(AC007591) Similar to gb|AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb|N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	6984	End	8596
GI	none	Score	149
Exons	6984..7127, 6994..7128, 7004..7153, 7005..7133, 7537..7635, 7542..7634, 7729..7983, 7729..7983, 7730..7984, 7731..7985, 7758..7985, 8523..8594, 8523..8594, 8524..8595, 8525..8596, 8525..8596		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o1.ts	Method	TBLASTX:Soybean
Start	7752	End	8594
GI	none	Score	87
Exons	7752..7847, 7753..7848, 7831..7983, 7833..7985, 7836..8000, 8523..8594, 8524..8586		

Seq. No.	38888	Seq. ID	OJ000114_08.0225.C2
Gene No.	80032	Strand	-
Start	6008	End	8607
Name	OJ000114_08.0225.C2.o2.gp	Method	AAT/GAP
Start	7794	End	8607
GI	2431498	Score	441
Exons	7794..7982, 8526..8607		
GI Descrip.	5103809/gb|AAD39639.1|AC007591_4 7.0e-45 (AC007591) Similar to gb_AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb_N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80033	Strand	+
Start	6694	End	8258
Name	OJ000114_08.0225.C3.o2.gs	Method	GENSCAN

Start	6694	End	7283
GI	none	Score	.63
Exons	6694..6811, 7261..7283		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80033	Strand	+
Start	6694	End	8258
Name	OJ000114_08.0225.C3.o2.np	Method	AAT/NAP
Start	6895	End	8255
GI	2194123	Score	419
Exons	6895..6959, 7697..8255		
GI Descrip.	(AC002062) Similar to Secale chloroplast ribosomal protein L12 (gb|SCL121A). EST gb|H36579 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80033	Strand	+
Start	6694	End	8258
Name	OJ000114_08.0225.C3.o3.gs	Method	GENSCAN
Start	7662	End	8258
GI	none	Score	1
Exons	7662..8258		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80034	Strand	-
Start	1	End	4986
Name	OJ000114_08.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	3214
GI	5103809	Score	756
Exons	1..25, 552..636, 719..835, 946..1025, 1115..1169, 1547..1637, 2032..2091, 2272..2337, 3053..3214		
GI Descrip.	(AC007591) Similar to gb|AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb|N96271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80034	Strand	-
Start	1	End	4986
Name	OJ000114_08.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	539	End	846
GI	none	Score	143
Exons	539..637, 549..629, 550..651, 710..835, 714..836, 721..846		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80034	Strand	-
Start	1	End	4986
Name	OJ000114_08.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	539	End	3132
GI	none	Score	117
Exons	539..622, 550..648, 550..651, 552..656, 704..844, 710..835, 907..1026, 912..1013, 934..1026, 935..1027, 936..1034, 1093..1182, 1116..1184, 1144..1218, 1529..1633, 1572..1634, 2017..2094, 2031..2102, 2271..2336, 3052..3132, 3053..3121		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80034	Strand	-
Start	1	End	4986

Name	OJ000114_08.0225.C3.o3.tm	Method	TBLASTX:Maize
Start	923	End	1186
GI	none	Score	92
Exons	923..1027, 945..1031, 946..1026, 1093..1185, 1116..1184, 1121..1186		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80034	Strand	-
Start	1	End	4986
Name	OJ000114_08.0225.C3.o1.gs	Method	GENSCAN
Start	989	End	4986
GI	none	Score	.44
Exons	989..1169, 1547..1637, 2272..2337, 3053..3292, 3483..3847, 4112..4255, 4798..4986		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80035	Strand	
Start	7761	End	8273
Name	OJ000114_08.0225.C3.o2.ts	Method	TBLASTX:Soybean
Start	7761	End	8261
GI	none	Score	65
Exons	7761..7832, 7824..7868, 8039..8254, 8040..8261		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80035	Strand	
Start	7761	End	8273
Name	OJ000114_08.0225.C3.o2.tm	Method	TBLASTX:Maize
Start	8039	End	8273
GI	none	Score	317
Exons	8039..8263, 8040..8273		

Seq. No.	38889	Seq. ID	OJ000114_08.0225.C3
Gene No.	80035	Strand	
Start	7761	End	8273
Name	OJ000114_08.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	8043	End	8258
GI	none	Score	248
Exons	8043..8258, 8183..8254		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o1.gp	Method	AAT/GAP
Start	1561	End	2217
GI	5055947	Score	1274
Exons	1561..2217		
GI Descrip.	3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o1.np	Method	AAT/NAP
Start	1870	End	5238
GI	6714322	Score	1107
Exons	1870..1947, 2060..2265, 3058..3296, 3387..3443, 3536..3622, 3733..4277, 4984..5238		

GI Descrip. (AC016972) hypothetical protein [Arabidopsis thaliana]

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o3.tc	Method	TBLASTX:Cress
Start	2057	End	2299
GI	none	Score	159
Exons	2057..2299, 2070..2294		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	2058	End	4277
GI	none	Score	122
Exons	2058..2270, 2096..2275, 3056..3319, 3225..3299, 3538..3618, 3744..4277, 3883..4125		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o2.ts	Method	TBLASTX:Soybean
Start	2069	End	2275
GI	none	Score	105
Exons	2069..2275, 2130..2270		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o2.gp	Method	AAT/GAP
Start	2854	End	3995
GI	24060_1.R1084	Score	1581
Exons	2854..3296, 3387..3443, 3536..3622, 3733..3995		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o2.gs	Method	GENSCAN
Start	3044	End	5073
GI	none	Score	.55
Exons	3044..3296, 3536..3581, 4768..4873, 4984..5073		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o2.tc	Method	TBLASTX:Cress
Start	3056	End	3770
GI	none	Score	59
Exons	3056..3298, 3057..3164, 3210..3299, 3389..3442, 3538..3633, 3539..3622, 3744..3770		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276

Name	OJ000114_08.0225.C4.o1.tw	Method	TBLASTX:Wheat
Start	3248	End	3915
GI	none	Score	62
Exons	3248..3298, 3249..3314, 3387..3446, 3392..3445, 3538..3633, 3539..3622, 3744..3914, 3745..3915		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	3538	End	4277
GI	none	Score	63
Exons	3538..3618, 3539..3622, 3700..4146, 3744..4277		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	3810	End	4187
GI	none	Score	117
Exons	3810..4187, 3811..4161		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o3.gp	Method	AAT/GAP
Start	3877	End	5165
GI	3106747	Score	634
Exons	3877..4274, 4982..5165		

Seq. No.	38890	Seq. ID	OJ000114_08.0225.C4
Gene No.	80036	Strand	-
Start	1561	End	5276
Name	OJ000114_08.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	4981	End	5276
GI	none	Score	230
Exons	4981..5178, 4985..5158, 5259..5276		

Seq. No.	38891	Seq. ID	OJ000114_08.0225.C5
Gene No.	80037	Strand	-
Start	1259	End	1769
Name	OJ000114_08.0225.C5.o1.gp	Method	AAT/GAP
Start	1259	End	1769
GI	uC-osflm202100a03b1	Score	955
Exons	1259..1769		
GI Descrip.	'3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38892	Seq. ID	OJ000114_08.0225.C6
Gene No.	80038	Strand	-
Start	1	End	299
Name	OJ000114_08.0225.C6.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	uC-osflm202100a03b1	Score	578
Exons	1..299		
GI Descrip.	'3337367 6.0e-12 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38892	Seq. ID	OJ000114_08.0225.C6
Gene No.	80039	Strand	-
Start	648	End	1199
Name	OJ000114_08.0225.C6.o1.gs	Method	GENSCAN
Start	648	End	1129
GI	none	Score	.61
Exons	648..701, 760..1129		

Seq. No.	38892	Seq. ID	OJ000114_08.0225.C6
Gene No.	80039	Strand	-
Start	648	End	1199
Name	OJ000114_08.0225.C6.o2.gp	Method	AAT/GAP
Start	800	End	1199
GI	none	Score	788
Exons	800..1199		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80040	Strand	+
Start	1	End	3865
Name	OJ000114_08.0225.C7.o1.gp	Method	AAT/GAP
Start	1	End	3730
GI	342_1.R1084	Score	6232
Exons	1..3014, 3050..3069, 3152..3249, 3359..3730		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80040	Strand	+
Start	1	End	3865
Name	OJ000114_08.0225.C7.o2.gp	Method	AAT/GAP
Start	1	End	3732
GI	342_1.R1084	Score	6236
Exons	1..3014, 3050..3069, 3152..3249, 3359..3732		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80040	Strand	+
Start	1	End	3865
Name	OJ000114_08.0225.C7.o4.gp	Method	AAT/GAP
Start	1	End	3865
GI	342_1.R1084	Score	6467
Exons	1..3014, 3050..3069, 3152..3249, 3359..3865		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80040	Strand	+
Start	1	End	3865
Name	OJ000114_08.0225.C7.o1.np	Method	AAT/NAP
Start	451	End	2410
GI	6742729	Score	3165
Exons	451..2410		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7

Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o4.tw	Method	TBLASTX:Wheat
Start	1	End	345
GI	none	Score	89
Exons	1..96, 79..330, 87..329, 88..345, 89..340		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o1.ts	Method	TBLASTX:Soybean
Start	261	End	690
GI	none	Score	102
Exons	261..344, 262..336, 337..399, 394..690, 448..672		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o2.tc	Method	TBLASTX:Cress
Start	423	End	738
GI	none	Score	288
Exons	423..575, 430..738, 615..710		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o2.tw	Method	TBLASTX:Wheat
Start	559	End	1027
GI	none	Score	72
Exons	559..612, 567..611, 613..717, 624..713, 731..817, 732..818, 798..1022, 818..1027, 819..1022, 821..1027		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	604	End	1061
GI	none	Score	108
Exons	604..732, 616..738, 732..857, 738..857, 867..1061		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o2.ts	Method	TBLASTX:Soybean
Start	891	End	1133
GI	none	Score	211
Exons	891..1133		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o3.tw	Method	TBLASTX:Wheat
Start	1166	End	1576
GI	none	Score	87
Exons	1166..1216, 1167..1229, 1235..1417, 1239..1457, 1246..1458, 1485..1574, 1490..1576, 1491..1574		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	1577	End	2906
GI	none	Score	865
Exons	1577..2479, 1578..2495, 2490..2534, 2494..2529, 2537..2632, 2541..2600, 2579..2719, 2580..2720, 2733..2813, 2802..2906		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	1620	End	1934
GI	none	Score	322
Exons	1620..1934, 1631..1906, 1704..1934		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o1.tc	Method	TBLASTX:Cress
Start	1861	End	2313
GI	none	Score	161
Exons	1861..2043, 1865..2302, 1865..2308, 1869..2312, 2062..2313, 2163..2312		

Seq. No.	38893	Seq. ID	OJ000114_08.0225.C7
Gene No.	80041	Strand	-
Start	2588	End	3005
Name	OJ000114_08.0225.C7.o3.gp	Method	AAT/GAP
Start	2588	End	3005
GI	LIB3431-028-P1-N1-A10	Score	828
Exons	2588..3005		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	38894	Seq. ID	OJ000114_08.0225.C8
Gene No.	80042	Strand	+
Start	497	End	546
Name	OJ000114_08.0225.C8.o1.gp	Method	AAT/GAP
Start	497	End	546
GI	3759960	Score	58
Exons	497..546		

Seq. No.	38894	Seq. ID	OJ000114_08.0225.C8
Gene No.	80043	Strand	+
Start	1391	End	4581
Name	OJ000114_08.0225.C8.o1.np	Method	AAT/NAP
Start	1391	End	4581
GI	4680204	Score	1034
Exons	1391..2827, 2902..4001, 4112..4285, 4382..4581		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	38894	Seq. ID	OJ000114_08.0225.C8
Gene No.	80043	Strand	+
Start	1391	End	4581
Name	OJ000114_08.0225.C8.o1.tw	Method	TBLASTX:Wheat

Start	2034	End	2437
GI	none	Score	62
Exons	2034..2174, 2034..2144, 2036..2272, 2036..2185, 2137..2304, 2267..2437, 2342..2437		

Seq. No.	38894	Seq. ID	OJ000114_08.0225.C8
Gene No.	80043	Strand	+
Start	1391	End	4581
Name	OJ000114_08.0225.C8.o2.gs	Method	GENSCAN
Start	2896	End	4492
GI	none	Score	.95
Exons	2896..3043, 3169..3314, 3316..4001, 4112..4285, 4382..4492		

Seq. No.	38894	Seq. ID	OJ000114_08.0225.C8
Gene No.	80043	Strand	+
Start	1391	End	4581
Name	OJ000114_08.0225.C8.o2.tw	Method	TBLASTX:Wheat
Start	3928	End	4451
GI	none	Score	60
Exons	3928..4008, 4098..4280, 4148..4273, 4380..4451		

Seq. No.	38895	Seq. ID	OJ000114_08.0225.C9
Gene No.	80044	Strand	+
Start	67	End	206
Name	OJ000114_08.0225.C9.o1.gp	Method	AAT/GAP
Start	67	End	206
GI	21474_1.R1084	Score	228
Exons	67..206		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	38896	Seq. ID	OJ000114_08.0225.C10
Gene No.	80045	Strand	+
Start	10946	End	11607
Name	OJ000114_08.0225.C10.o2.np	Method	AAT/NAP
Start	10946	End	11607
GI	6069646	Score	288
Exons	10946..11607		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38896	Seq. ID	OJ000114_08.0225.C10
Gene No.	80046	Strand	+
Start	12598	End	12904
Name	OJ000114_08.0225.C10.o2.gp	Method	AAT/GAP
Start	12598	End	12904
GI	5771112	Score	605
Exons	12598..12904		

Seq. No.	38896	Seq. ID	OJ000114_08.0225.C10
Gene No.	80047	Strand	-
Start	170	End	15221
Name	OJ000114_08.0225.C10.o1.np	Method	AAT/NAP
Start	170	End	15221

GI	1465838	Score	69
Exons	170..249, 4098..4398, 8351..8417, 9896..10006, 15194..15221		
GI Descrip.	(U64857) No definition line found [Caenorhabditis elegans]		

Seq. No.	38896	Seq. ID	OJ000114_08.0225.C10
Gene No.	80047	Strand	-
Start	170	End	15221
Name	OJ000114_08.0225.C10.o1.tm	Method	TBLASTX:Maize
Start	11120	End	11400
GI	none	Score	133
Exons	11120..11200, 11122..11205, 11126..11227, 11212..11400		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	8336	End	8549
GI	none	Score	59
Exons	8336..8395, 8342..8392, 8343..8420, 8343..8396, 8402..8440, 8412..8441, 8427..8549, 8444..8548		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.np	Method	AAT/NAP
Start	8346	End	10465
GI	2160694	Score	1370
Exons	8346..9509, 10088..10465		
GI Descrip.	(U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o2.tw	Method	TBLASTX:Wheat
Start	8545	End	9002
GI	none	Score	271
Exons	8545..8640, 8555..8809, 8559..8819, 8858..8977, 8859..9002, 8874..9002		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	8558	End	9239
GI	none	Score	234
Exons	8558..8809, 8559..8819, 8859..9239, 8867..9226, 8868..9239		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	8559	End	10411
GI	none	Score	257
Exons	8559..8807, 8576..8806, 8858..9511, 8859..9512, 8868..9515, 10081..10392, 10082..10411		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11

Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	8565	End	10708
GI	none	Score	1367
Exons	8565..9512, 8567..9511, 9313..9522, 10081..10455, 10082..10456, 10086..10463, 10352..10462, 10575..10649, 10576..10650, 10678..10707, 10682..10708		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.tw	Method	TBLASTX:Wheat
Start	9010	End	9386
GI	none	Score	94
Exons	9010..9165, 9014..9376, 9015..9386, 9029..9379		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o2.ts	Method	TBLASTX:Soybean
Start	9240	End	10129
GI	none	Score	318
Exons	9240..9512, 9242..9511, 10082..10129		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o3.tw	Method	TBLASTX:Wheat
Start	10090	End	10366
GI	none	Score	278
Exons	10090..10290, 10091..10366		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o3.ts	Method	TBLASTX:Soybean
Start	10132	End	10429
GI	none	Score	223
Exons	10132..10287, 10133..10429		

Seq. No.	38897	Seq. ID	OJ000114_08.0225.C11
Gene No.	80048	Strand	+
Start	8346	End	10708
Name	OJ000114_08.0225.C11.o1.gp	Method	AAT/GAP
Start	10216	End	10607
GI	2311827	Score	760
Exons	10216..10607		
GI Descrip.	2160694 2.0e-09 (U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80049	Strand	+
Start	1	End	55
Name	OJ000114_08.0225.C12.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	none	Score	87

Exons	1..55		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80050	Strand	+
Start	1126	End	6741
Name	OJ000114_08.0225.C12.o1.np	Method	AAT/NAP
Start	1126	End	6741
GI	5295971	Score	3256
Exons	1126..1311, 1469..1703, 2497..3420, 3454..6741		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80050	Strand	+
Start	1126	End	6741
Name	OJ000114_08.0225.C12.o2.gs	Method	GENSCAN
Start	2475	End	6738
GI	none	Score	.49
Exons	2475..2831, 2904..3029, 3091..3534, 3661..3906, 3979..4098, 4121..4231, 4336..6313, 6443..6569, 6585..6738		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80051	Strand	-
Start	207	End	1922
Name	OJ000114_08.0225.C12.o1.gs	Method	GENSCAN
Start	207	End	1922
GI	none	Score	.48
Exons	207..293, 474..527, 658..771, 855..1232, 1438..1609, 1708..1922		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80051	Strand	-
Start	207	End	1922
Name	OJ000114_08.0225.C12.o8.tm	Method	TBLASTX:Maize
Start	471	End	884
GI	none	Score	85
Exons	471..527, 475..528, 653..781, 658..777, 855..884		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80051	Strand	-
Start	207	End	1922
Name	OJ000114_08.0225.C12.o2.gp	Method	AAT/GAP
Start	691	End	1118
GI	none	Score	603
Exons	691..771, 855..1118		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80052	Strand	
Start	2579	End	2861
Name	OJ000114_08.0225.C12.o7.tm	Method	TBLASTX:Maize
Start	2579	End	2861
GI	none	Score	222
Exons	2579..2767, 2592..2861		
Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80053	Strand	
Start	3615	End	4077

Name	OJ000114_08.0225.C12.o4.tm	Method	TBLASTX:Maize
Start	3615	End	4023
GI	none	Score	283
Exons	3615..3755, 3616..4023		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80053	Strand	
Start	3615	End	4077
Name	OJ000114_08.0225.C12.o3.tw	Method	TBLASTX:Wheat
Start	3636	End	4077
GI	none	Score	298
Exons	3636..3881, 3637..4002, 3679..3882, 4003..4077		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80054	Strand	
Start	4027	End	4899
Name	OJ000114_08.0225.C12.o4.ts	Method	TBLASTX:Soybean
Start	4027	End	4332
GI	none	Score	241
Exons	4027..4332, 4092..4331, 4123..4203		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80054	Strand	
Start	4027	End	4899
Name	OJ000114_08.0225.C12.o2.tw	Method	TBLASTX:Wheat
Start	4162	End	4722
GI	none	Score	361
Exons	4162..4623, 4374..4622, 4627..4722		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80054	Strand	
Start	4027	End	4899
Name	OJ000114_08.0225.C12.o2.tm	Method	TBLASTX:Maize
Start	4365	End	4794
GI	none	Score	420
Exons	4365..4739, 4369..4716, 4723..4794		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80054	Strand	
Start	4027	End	4899
Name	OJ000114_08.0225.C12.o2.ts	Method	TBLASTX:Soybean
Start	4396	End	4899
GI	none	Score	449
Exons	4396..4899, 4401..4664, 4725..4865		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80054	Strand	
Start	4027	End	4899
Name	OJ000114_08.0225.C12.o2.tc	Method	TBLASTX:Cress
Start	4435	End	4848
GI	none	Score	274
Exons	4435..4848, 4461..4493, 4546..4818		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80055	Strand	
Start	5188	End	6000
Name	OJ000114_08.0225.C12.o1.ts	Method	TBLASTX:Soybean

Start	5188	End	5691
GI	5509260	Score	453
Exons	5188..5691, 5205..5477, 5508..5609		
GI Descrip.	-		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80055	Strand	
Start	5188	End	6000
Name	OJ000114_08.0225.C12.o3.tm	Method	TBLASTX:Maize
Start	5214	End	5535
GI	none	Score	423
Exons	5214..5534, 5215..5535		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80055	Strand	
Start	5188	End	6000
Name	OJ000114_08.0225.C12.o3.tc	Method	TBLASTX:Cress
Start	5304	End	5574
GI	none	Score	251
Exons	5304..5555, 5305..5574		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80055	Strand	
Start	5188	End	6000
Name	OJ000114_08.0225.C12.o1.tw	Method	TBLASTX:Wheat
Start	5355	End	5901
GI	none	Score	320
Exons	5355..5486, 5356..5700, 5509..5700, 5692..5901		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80055	Strand	
Start	5188	End	6000
Name	OJ000114_08.0225.C12.o5.tm	Method	TBLASTX:Maize
Start	5737	End	6000
GI	none	Score	267
Exons	5737..6000, 5739..5918, 5791..5997		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80056	Strand	
Start	6003	End	6717
Name	OJ000114_08.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	6003	End	6459
GI	none	Score	281
Exons	6003..6248, 6004..6243, 6241..6459, 6258..6458		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80056	Strand	
Start	6003	End	6717
Name	OJ000114_08.0225.C12.o1.tc	Method	TBLASTX:Cress
Start	6030	End	6711
GI	none	Score	190
Exons	6030..6215, 6031..6225, 6234..6341, 6235..6342, 6337..6459, 6339..6473, 6457..6711, 6498..6617		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80056	Strand	
Start	6003	End	6717

Name	OJ000114_08.0225.C12.o3.ts	Method	TBLASTX:Soybean
Start	6064	End	6717
GI	none	Score	127
Exons	6064..6237, 6100..6204, 6246..6458, 6253..6717		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80056	Strand	
Start	6003	End	6717
Name	OJ000114_08.0225.C12.o4.tw	Method	TBLASTX:Wheat
Start	6229	End	6678
GI	none	Score	143
Exons	6229..6462, 6369..6458, 6460..6678		

Seq. No.	38898	Seq. ID	OJ000114_08.0225.C12
Gene No.	80056	Strand	
Start	6003	End	6717
Name	OJ000114_08.0225.C12.o6.tm	Method	TBLASTX:Maize
Start	6460	End	6705
GI	none	Score	245
Exons	6460..6705, 6465..6599, 6490..6693		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80057	Strand	+
Start	2610	End	5345
Name	OJ000114_08.0225.C13.o2.gs	Method	GENSCAN
Start	2610	End	5345
GI	none	Score	.87
Exons	2610..2703, 2731..2845, 3022..3144, 3224..3242, 5325..5345		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80058	Strand	+
Start	8336	End	13039
Name	OJ000114_08.0225.C13.o1.np	Method	AAT/NAP
Start	8336	End	13039
GI	4008156	Score	2558
Exons	8336..8704, 8819..8938, 9041..9158, 9272..9420, 9515..9615, 9916..10012, 10513..10622, 10746..10849, 11100..11279, 11369..11712, 11812..11876, 11952..12487, 12768..13039		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80058	Strand	+
Start	8336	End	13039
Name	OJ000114_08.0225.C13.o4.gs	Method	GENSCAN
Start	8336	End	12421
GI	none	Score	.81
Exons	8336..8704, 8819..8953, 9041..9154, 9268..9420, 9515..9615, 9916..10012, 10513..10622, 10746..10849, 11369..11512, 11543..11712, 11812..11876, 11952..12421		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80058	Strand	+
Start	8336	End	13039
Name	OJ000114_08.0225.C13.o1.gp	Method	AAT/GAP
Start	11087	End	11843
GI	uC-osrocyp007e03b1	Score	1057
Exons	11087..11279, 11369..11712, 11812..11843		

GI Descrip. '4008156/dbj|BAA35120.1| 1.0e-80 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80059	Strand	-
Start	6893	End	7078
Name	OJ000114_08.0225.C13.o3.gs	Method	GENSCAN
Start	6893	End	7078
GI	none	Score	.66
Exons	6893..7078		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80060	Strand	
Start	8624	End	12459
Name	OJ000114_08.0225.C13.o1.tc	Method	TBLASTX:Cress
Start	8624	End	12459
GI	none	Score	63
Exons	8624..8707, 8819..8938, 9283..9408, 10516..10623, 10521..10622, 11093..11191, 11207..11275, 11371..11625, 11505..11624, 11947..12261, 11958..12176, 12337..12459		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80060	Strand	
Start	8624	End	12459
Name	OJ000114_08.0225.C13.o1.ts	Method	TBLASTX:Soybean
Start	11186	End	11652
GI	none	Score	147
Exons	11186..11278, 11186..11269, 11188..11283, 11365..11652, 11370..11447, 11371..11634		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80060	Strand	
Start	8624	End	12459
Name	OJ000114_08.0225.C13.o2.ts	Method	TBLASTX:Soybean
Start	11826	End	12203
GI	none	Score	57
Exons	11826..11888, 11833..11877, 11938..12198, 11952..12203		

Seq. No.	38899	Seq. ID	OJ000114_08.0225.C13
Gene No.	80060	Strand	
Start	8624	End	12459
Name	OJ000114_08.0225.C13.o3.ts	Method	TBLASTX:Soybean
Start	12249	End	12420
GI	none	Score	222
Exons	12249..12419, 12250..12420		

Seq. No.	38900	Seq. ID	OJ000114_08.0225.C14
Gene No.	80061	Strand	-
Start	97	End	1165
Name	OJ000114_08.0225.C14.o1.gs	Method	GENSCAN
Start	97	End	938
GI	none	Score	.89
Exons	97..197, 314..632, 823..938		

Seq. No.	38900	Seq. ID	OJ000114_08.0225.C14
Gene No.	80061	Strand	-
Start	97	End	1165

Name	OJ000114_08.0225.C14.o1.np	Method	AAT/NAP
Start	261	End	1165
GI	6069498	Score	524
Exons	261..632, 823..939, 1142..1165		
GI Descrip.	(AB022075) S-locus protein 7 [Brassica rapa]		

Seq. No.	38900	Seq. ID	OJ000114_08.0225.C14
Gene No.	80061	Strand	-
Start	97	End	1165
Name	OJ000114_08.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	285	End	940
GI	none	Score	84
Exons	285..317, 330..371, 331..372, 351..632, 361..615, 382..633, 383..637, 822..938, 830..940, 832..933		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80062	Strand	+
Start	4988	End	6296
Name	OJ000114_08.0225.C15.o3.np	Method	AAT/NAP
Start	4988	End	6296
GI	5777617	Score	63
Exons	4988..5025, 6155..6296		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.gs	Method	GENSCAN
Start	1031	End	7990
GI	none	Score	.81
Exons	1031..1056, 1576..1933, 2637..2688, 3013..3089, 3178..3240, 3344..3388, 3484..3552, 3663..3748, 4313..4360, 4441..4606, 5478..5606, 5708..6048, 6087..6957, 7239..7279, 7413..7701, 7766..7990		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.np	Method	AAT/NAP
Start	1570	End	1684
GI	6525170	Score	103
Exons	1570..1684		
GI Descrip.	(AF189278) ASF1 [Drosophila melanogaster]		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.gp	Method	AAT/GAP
Start	2493	End	3254
GI	none	Score	804
Exons	2493..2812, 3013..3089, 3178..3254		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o2.np	Method	AAT/NAP
Start	3003	End	5863

GI	6682251	Score	696
Exons	3003..3089, 3178..3240, 3344..3388, 3484..3552, 3663..3749, 4445..4606, 5478..5606, 5708..5863		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.tm	Method	TBLASTX:Maize
Start	3007	End	5869
GI	none	Score	89
Exons	3007..3078, 3012..3092, 3013..3093, 3014..3085, 3015..3092, 3157..3240, 3158..3241, 3179..3241, 3180..3260, 3341..3394, 3341..3394, 3483..3563, 3484..3555, 3653..3748, 3657..3749, 3661..3750, 3662..3748, 3663..3749, 4442..4519, 4449..4508, 4450..4509, 4500..4607, 4502..4615, 4516..4608, 4517..4612, 5466..5606, 5476..5568, 5540..5605, 5576..5608, 5708..5869, 5709..5864		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.tc	Method	TBLASTX:Cress
Start	3015	End	5867
GI	none	Score	72
Exons	3015..3092, 3025..3090, 3127..3243, 3157..3240, 3185..3247, 3325..3390, 3341..3394, 3341..3394, 3355..3402, 3482..3511, 3483..3563, 3484..3564, 3660..3749, 3661..3750, 3663..3752, 4460..4615, 4518..4607, 5460..5522, 5514..5618, 5708..5866, 5733..5867		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o1.ts	Method	TBLASTX:Soybean
Start	3015	End	5864
GI	none	Score	68
Exons	3015..3092, 3019..3090, 3157..3240, 3185..3247, 3341..3394, 3341..3394, 3484..3555, 3484..3555, 3653..3751, 3661..3789, 3663..3752, 4502..4615, 4509..4607, 5466..5516, 5476..5520, 5512..5565, 5514..5615, 5708..5863, 5724..5864		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o2.gp	Method	AAT/GAP
Start	5494	End	5988
GI	none	Score	699
Exons	5494..5606, 5708..5988		

Seq. No.	38901	Seq. ID	OJ000114_08.0225.C15
Gene No.	80063	Strand	-
Start	1031	End	8121
Name	OJ000114_08.0225.C15.o4.np	Method	AAT/NAP
Start	7843	End	8121
GI	5777617	Score	87
Exons	7843..8121		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80064	Strand	+
Start	2083	End	4280
Name	OJ000204_06.0222.C1.o1.gs	Method	GENSCAN
Start	2083	End	2862
GI	none	Score	.63
Exons	2083..2862		

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80064	Strand	+
Start	2083	End	4280
Name	OJ000204_06.0222.C1.o1.np	Method	AAT/NAP
Start	2247	End	4280
GI	6633834	Score	238
Exons	2247..2692, 4253..4280		

GI Descrip. (AC009519) F1N19.3 [Arabidopsis thaliana]

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80064	Strand	+
Start	2083	End	4280
Name	OJ000204_06.0222.C1.o2.np	Method	AAT/NAP
Start	2247	End	2682
GI	6633834	Score	239
Exons	2247..2682		

GI Descrip. (AC009519) F1N19.3 [Arabidopsis thaliana]

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80065	Strand	-
Start	3762	End	4613
Name	OJ000204_06.0222.C1.o1.ts	Method	TBLASTX:Soybean
Start	2371	End	2618
GI	none	Score	52
Exons	2371..2427, 2425..2601, 2436..2618		

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80065	Strand	-
Start	3762	End	4613
Name	OJ000204_06.0222.C1.o1.gp	Method	AAT/GAP
Start	3086	End	3845
GI	72829_1.R1084	Score	1335
Exons	3086..3845		

GI Descrip. '3157951 3.0e-35 (AC002131) Contains similarity to vesicle trafficking protein gb_U91538 from Mus musculus. ESTs gb_F15494 and gb_F14097 come from this gene. [Arabidopsis thaliana]'

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80065	Strand	-
Start	3762	End	4613
Name	OJ000204_06.0222.C1.o2.gs	Method	GENSCAN
Start	3762	End	4613
GI	none	Score	.53
Exons	3762..3845, 4489..4613		

Seq. No.	38902	Seq. ID	OJ000204_06.0222.C1
Gene No.	80065	Strand	-

Start	3762	End	4613
Name	OJ000204_06.0222.C1.o3.np	Method	AAT/NAP
Start	3765	End	4565
GI	3157951	Score	151
Exons	3765..3845, 4489..4565		
GI Descrip.	(AC002131) Contains similarity to vesicle trafficking protein gb|U91538 from Mus musculus. ESTs gb|F15494 and gb|F14097 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80066	Strand	-
Start	1	End	1885
Name	OJ000204_06.0222.C2.o1.gp	Method	AAT/GAP
Start	1	End	1885
GI	72829_1.R1084	Score	724
Exons	1..33, 447..712, 1692..1885		
GI Descrip.	'3157951 3.0e-35 (AC002131) Contains similarity to vesicle trafficking protein gb_U91538 from Mus musculus. ESTs gb_F15494 and gb_F14097 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80066	Strand	-
Start	1	End	1885
Name	OJ000204_06.0222.C2.o1.np	Method	AAT/NAP
Start	1	End	661
GI	3157951	Score	235
Exons	1..87, 474..661		
GI Descrip.	(AC002131) Contains similarity to vesicle trafficking protein gb|U91538 from Mus musculus. ESTs gb|F15494 and gb|F14097 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	464	End	711
GI	none	Score	232
Exons	464..706, 467..709, 468..710, 469..711		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	466	End	686
GI	none	Score	141
Exons	466..663, 470..661, 470..670, 478..669, 486..686		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	470	End	667
GI	none	Score	104
Exons	470..661, 470..667, 474..662		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-

Start	2557	End	3120
Name	OJ000204_06.0222.C2.o2.np	Method	AAT/NAP
Start	2557	End	3120
GI	4415931	Score	348
Exons	2557..2934, 3081..3120		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	2560	End	2949
GI	none	Score	134
Exons	2560..2949, 2561..2791, 2884..2937		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o2.tc	Method	TBLASTX:Cress
Start	2560	End	2937
GI	none	Score	75
Exons	2560..2868, 2696..2785, 2812..2871, 2866..2934, 2896..2937		

Seq. No.	38903	Seq. ID	OJ000204_06.0222.C2
Gene No.	80067	Strand	-
Start	2557	End	3120
Name	OJ000204_06.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	2569	End	2937
GI	none	Score	141
Exons	2569..2934, 2576..2791, 2696..2935, 2697..2936, 2746..2937		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	1596
GI	4415931	Score	888
Exons	1..71, 276..1596		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.gs	Method	GENSCAN
Start	280	End	1399
GI	none	Score	.83
Exons	280..1399		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	280	End	663
GI	none	Score	37
Exons	280..327, 298..327, 328..495, 329..430, 619..663		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3

Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	280	End	495
GI	none	Score	178
Exons	280..495, 281..493		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	283	End	1414
GI	none	Score	43
Exons	283..363, 284..319, 328..504, 329..505, 377..508, 550..918, 551..586, 611..841, 1106..1414, 1177..1413		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	334	End	933
GI	none	Score	143
Exons	334..507, 338..493, 425..511, 541..594, 545..595, 601..933, 602..835, 607..921		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	619	End	930
GI	none	Score	95
Exons	619..819, 619..930, 623..835		

Seq. No.	38904	Seq. ID	OJ000204_06.0222.C3
Gene No.	80068	Strand	-
Start	1	End	1596
Name	OJ000204_06.0222.C3.o3.tc	Method	TBLASTX:Cress
Start	1169	End	1413
GI	none	Score	121
Exons	1169..1411, 1171..1413, 1285..1413		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1905
GI	none	Score	118
Exons	1..171, 86..190, 87..185, 92..193, 198..296, 210..308, 408..467, 412..480, 1332..1442, 1332..1502, 1333..1476, 1560..1631, 1561..1635, 1561..1647, 1605..1868, 1612..1866, 1635..1868, 1636..1905		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.gs	Method	GENSCAN
Start	136	End	1868

GI	none	Score	.77
Exons	136..317, 406..469, 1334..1473, 1680..1868		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	213	End	1790
GI	none	Score	59
Exons	213..305, 412..480, 1336..1476, 1344..1439, 1561..1635, 1572..1631, 1637..1753, 1638..1790		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	412	End	1886
GI	none	Score	66
Exons	412..468, 1332..1472, 1339..1473, 1557..1634, 1558..1635, 1637..1840, 1638..1886		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.gp	Method	AAT/GAP
Start	417	End	1868
GI	4231_1.R1084	Score	901
Exons	417..469, 1334..1473, 1558..1868		
GI Descrip.	'3757521 1.0e-68 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.np	Method	AAT/NAP
Start	441	End	1877
GI	1707021	Score	480
Exons	441..493, 1303..1473, 1558..1877		
GI Descrip.	(U78721) putative ubiquitin-conjugating enzyme E2 [Arabidopsis thaliana]		

Seq. No.	38905	Seq. ID	OJ000204_06.0222.C5
Gene No.	80069	Strand	+
Start	136	End	1905
Name	OJ000204_06.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	1356	End	1865
GI	none	Score	137
Exons	1356..1472, 1357..1473, 1557..1634, 1558..1635, 1637..1822, 1638..1865		

Seq. No.	38906	Seq. ID	OJ000204_06.0222.C6
Gene No.	80070	Strand	+
Start	263	End	666
Name	OJ000204_06.0222.C6.o1.gs	Method	GENSCAN
Start	263	End	666
GI	none	Score	.59
Exons	263..666		

Seq. No.	38906	Seq. ID	OJ000204_06.0222.C6
Gene No.	80071	Strand	-
Start	238	End	832
Name	OJ000204_06.0222.C6.o1.gp	Method	AAT/GAP
Start	238	End	832
GI	4231_1.R1084	Score	1101
Exons	238..832		
GI Descrip.	'3757521 1.0e-68 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38906	Seq. ID	OJ000204_06.0222.C6
Gene No.	80072	Strand	-
Start	1440	End	1643
Name	OJ000204_06.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	247	End	600
GI	none	Score	170
Exons	247..396, 254..385, 460..600, 509..556, 540..587		

Seq. No.	38906	Seq. ID	OJ000204_06.0222.C6
Gene No.	80072	Strand	-
Start	1440	End	1643
Name	OJ000204_06.0222.C6.o2.gs	Method	GENSCAN
Start	1440	End	1643
GI	none	Score	.85
Exons	1440..1643		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80073	Strand	+
Start	1709	End	4877
Name	OJ000204_06.0222.C7.o1.gs	Method	GENSCAN
Start	1709	End	4874
GI	none	Score	.83
Exons	1709..1915, 2059..2111, 2204..2276, 2522..2623, 2917..2988, 3096..3158, 3649..3708, 3784..3894, 4073..4243, 4421..4511, 4600..4874		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80073	Strand	+
Start	1709	End	4877
Name	OJ000204_06.0222.C7.o1.np	Method	AAT/NAP
Start	1739	End	4877
GI	123178	Score	1468
Exons	1739..1915, 2059..2111, 2204..2276, 2522..2623, 2726..2827, 2917..2988, 3096..3158, 3239..3280, 3649..3708, 3784..3894, 4073..4243, 4421..4511, 4600..4877		
GI Descrip.	HISTIDINOL DEHYDROGENASE, CHLOROPLAST PRECURSOR (HDH) gi|99844|pir||A39358 histidinol dehydrogenase (EC 1.1.1.23) precursor, chloroplast - cabbage gi|167142 (M60466) histidinol dehydrogenase [Brassica oleracea]		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80074	Strand	+
Start	5260	End	5739
Name	OJ000204_06.0222.C7.o1.gp	Method	AAT/GAP
Start	5260	End	5739
GI	none	Score	921

Exons	5260..5739		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80075	Strand	-
Start	5547	End	10615
Name	OJ000204_06.0222.C7.o2.gs	Method	GENSCAN
Start	5547	End	10606
GI	none	Score	.81
Exons	5547..5978, 6372..6513, 6633..6820, 7570..7614, 7687..7821, 8544..8652, 9061..9113, 9197..9346, 10190..10606		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80075	Strand	-
Start	5547	End	10615
Name	OJ000204_06.0222.C7.o2.np	Method	AAT/NAP
Start	5553	End	10615
GI	6714356	Score	1400
Exons	5553..5797, 5887..5978, 6065..6111, 6372..6513, 6633..6820, 7570..7614, 7687..7821, 8544..8652, 9061..9113, 9197..9346, 10190..10385, 10431..10615		
GI Descrip.	(AC012562) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80075	Strand	-
Start	5547	End	10615
Name	OJ000204_06.0222.C7.o2.gp	Method	AAT/GAP
Start	6441	End	9218
GI	14216_1.R1084	Score	1123
Exons	6441..6513, 6633..6820, 7570..7614, 7687..7821, 8544..8652, 9061..9113, 9197..9218		
GI Descrip.	'3241943 5.0e-93 (AC004625) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80075	Strand	-
Start	5547	End	10615
Name	OJ000204_06.0222.C7.o3.gp	Method	AAT/GAP
Start	9263	End	10603
GI	none	Score	948
Exons	9263..9346, 10190..10603		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	1808	End	3708
GI	none	Score	154
Exons	1808..1918, 1819..1917, 2058..2108, 2059..2109, 2205..2279, 2209..2271, 2521..2622, 2522..2623, 2708..2827, 2722..2826, 2916..2996, 2916..2993, 2917..3003, 3058..3159, 3081..3194, 3083..3157, 3084..3158, 3235..3294, 3236..3295, 3645..3707, 3648..3707, 3652..3708		
Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o2.ts	Method	TBLASTX:Soybean

Start	1822	End	4861
GI	none	Score	116
Exons	1822..1917, 1823..1918, 1989..2114, 2059..2112, 2205..2279, 2521..2622, 2522..2623, 2708..2827, 2722..2826, 2916..2990, 2917..3000, 2917..3012, 3093..3203, 3095..3157, 3201..3296, 3236..3295, 3628..3699, 3648..3707, 3648..3701, 3649..3708, 3780..3890, 3781..3894, 3783..3911, 4050..4223, 4070..4243, 4072..4248, 4073..4258, 4421..4513, 4423..4512, 4598..4861, 4599..4856, 4724..4858		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o3.tc	Method	TBLASTX:Cress
Start	2708	End	3822
GI	none	Score	163
Exons	2708..2827, 2722..2823, 2726..2827, 2916..2990, 2917..3000, 2917..3009, 3093..3203, 3095..3154, 3236..3295, 3238..3294, 3645..3707, 3648..3707, 3649..3708, 3778..3822, 3786..3821		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	3235	End	4135
GI	none	Score	81
Exons	3235..3285, 3239..3295, 3645..3707, 3648..3707, 3649..3708, 3781..3894, 3783..3893, 4053..4130, 4067..4135, 4071..4130		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	3781	End	4893
GI	none	Score	179
Exons	3781..3894, 3783..3890, 4053..4244, 4071..4244, 4072..4248, 4073..4258, 4419..4511, 4420..4512, 4421..4513, 4580..4870, 4597..4893, 4599..4874		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	4139	End	4873
GI	none	Score	147
Exons	4139..4258, 4156..4248, 4438..4512, 4448..4513, 4568..4873, 4599..4859, 4750..4860		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	5586	End	8652
GI	none	Score	90
Exons	5586..5636, 5718..5798, 5886..5972, 5888..5980, 5891..5977, 6053..6112, 6061..6123, 6064..6111, 6355..6513, 6375..6509, 6375..6521, 6376..6513, 6608..6814, 6633..6821, 6635..6823,		

7567..7614, 7681..7821, 7682..7822, 8544..8651, 8548..8652

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	6372	End	7762
GI	none	Score	101
Exons	6372..6512, 6373..6528, 6375..6515, 6635..6823, 6636..6821, 6638..6841, 7567..7617, 7567..7614, 7681..7761, 7682..7762		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o2.tc	Method	TBLASTX:Cress
Start	6450	End	7614
GI	none	Score	80
Exons	6450..6515, 6451..6516, 6635..6823, 6636..6821, 6639..6842, 6640..6822, 6640..6849, 7567..7614		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o4.tc	Method	TBLASTX:Cress
Start	7672	End	9336
GI	none	Score	92
Exons	7672..7821, 7681..7821, 7682..7822, 7701..7838, 7803..7853, 8528..8647, 8544..8678, 8544..8654, 9069..9113, 9198..9329, 9200..9331, 9201..9332, 9221..9334, 9235..9336		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o4.tm	Method	TBLASTX:Maize
Start	9197	End	9355
GI	none	Score	238
Exons	9197..9355, 9201..9353		

Seq. No.	38907	Seq. ID	OJ000204_06.0222.C7
Gene No.	80076	Strand	-
Start	11166	End	11653
Name	OJ000204_06.0222.C7.o3.gs	Method	GENSCAN
Start	11166	End	11653
GI	none	Score	.63
Exons	11166..11308, 11389..11653		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80077	Strand	+
Start	778	End	1213
Name	OJ000204_06.0222.C8.o1.gs	Method	GENSCAN
Start	778	End	1213
GI	none	Score	.45
Exons	778..864, 1188..1213		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80078	Strand	+
Start	1446	End	1529

Name	OJ000204_06.0222.C8.o2.gp	Method	AAT/GAP
Start	1446	End	1529
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	1446..1529		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80079	Strand	-
Start	2675	End	6368
Name	OJ000204_06.0222.C8.o3.gp	Method	AAT/GAP
Start	2197	End	4635
GI	18485_1.R1084	Score	2304
Exons	2197..3006, 3864..3951, 4043..4132, 4236..4376, 4533..4635		
GI Descrip.	'1592812/emb|CAA65195| 6.0e-12 (X95957) 22 kDa polypeptide [Nicotiana tabacum]'		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80079	Strand	-
Start	2675	End	6368
Name	OJ000204_06.0222.C8.o2.gs	Method	GENSCAN
Start	2675	End	6368
GI	none	Score	.47
Exons	2675..3006, 3864..3951, 4043..4132, 4236..4347, 4648..4849, 5810..5921, 6306..6368		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o3.tm	Method	TBLASTX:Maize
Start	3856	End	4347
GI	none	Score	97
Exons	3856..3957, 3860..3952, 4038..4097, 4042..4098, 4106..4132, 4235..4327, 4236..4343, 4312..4347		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	3925	End	4346
GI	none	Score	62
Exons	3925..3957, 4041..4097, 4042..4098, 4106..4132, 4235..4327, 4236..4346		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o3.gs	Method	GENSCAN
Start	8366	End	11399
GI	none	Score	.71
Exons	8366..8422, 9352..9516, 9587..9667, 9843..9918, 10006..10139, 10233..10325, 10843..11011, 11081..11179, 11199..11399		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458

Name	OJ000204_06.0222.C8.o4.gp	Method	AAT/GAP
Start	8622	End	10332
GI	97_1.R1084	Score	1682
Exons	8622..9017, 9108..9242, 9352..9501, 9587..9620, 9702..9778, 9843..9918, 10006..10139, 10233..10332		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	8939	End	9727
GI	none	Score	97
Exons	8939..9019, 8940..9020, 8950..9018, 8954..9019, 9099..9191, 9108..9242, 9109..9243, 9109..9270, 9110..9256, 9346..9504, 9353..9502, 9354..9503, 9582..9638, 9586..9621, 9701..9727		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o1.np	Method	AAT/NAP
Start	8949	End	11458
GI	6331695	Score	1087
Exons	8949..9017, 9108..9242, 9352..9501, 9587..9620, 9702..9778, 9843..9918, 10006..10139, 10233..10325, 11435..11458		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	8958	End	10328
GI	none	Score	63
Exons	8958..9020, 8965..9018, 9108..9242, 9109..9243, 9346..9498, 9356..9502, 9584..9622, 9690..9779, 9701..9781, 9702..9779, 9707..9823, 9838..9915, 9839..9916, 9840..9917, 9840..9917, 9999..10148, 10005..10145, 10009..10152, 10227..10304, 10227..10328, 10231..10320		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	9108	End	10328
GI	none	Score	76
Exons	9108..9242, 9352..9498, 9571..9600, 9701..9781, 9840..9917, 9841..9918, 10003..10152, 10005..10145, 10227..10328, 10233..10307		

Seq. No.	38908	Seq. ID	OJ000204_06.0222.C8
Gene No.	80080	Strand	-
Start	8366	End	11458
Name	OJ000204_06.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	10073	End	10328
GI	none	Score	95
Exons	10073..10135, 10074..10148, 10074..10145, 10075..10161, 10173..10319, 10227..10328, 10231..10326		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80081	Strand	+
Start	1	End	6162
Name	OJ000204_06.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	6162
GI	6466937	Score	1451
Exons	1..22, 355..1232, 1718..2232, 2688..3210, 3678..4162, 4646..5069, 6107..6162		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80081	Strand	+
Start	1	End	6162
Name	OJ000204_06.0222.C9.o1.gs	Method	GENSCAN
Start	138	End	4101
GI	none	Score	.76
Exons	138..284, 587..859, 922..1083, 1167..1374, 1728..2073, 2079..2231, 2681..2749, 2760..3280, 3676..3816, 3890..4101		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80082	Strand	+
Start	12313	End	14669
Name	OJ000204_06.0222.C9.o3.gs	Method	GENSCAN
Start	12313	End	14619
GI	none	Score	.75
Exons	12313..12465, 13249..13349, 14143..14170, 14199..14310, 14486..14619		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80082	Strand	+
Start	12313	End	14669
Name	OJ000204_06.0222.C9.o3.gp	Method	AAT/GAP
Start	12381	End	14669
GI	90811_1.R1084	Score	924
Exons	12381..12465, 13249..13349, 13917..13986, 14143..14170, 14253..14310, 14486..14669		
GI Descrip.	'2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80083	Strand	+
Start	14670	End	14916
Name	OJ000204_06.0222.C9.o4.gp	Method	AAT/GAP
Start	14670	End	14916
GI	none	Score	410
Exons	14670..14916		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80084	Strand	-
Start	3120	End	7532
Name	OJ000204_06.0222.C9.o2.np	Method	AAT/NAP
Start	3120	End	7532
GI	6331695	Score	897
Exons	3120..3140, 5839..5972, 6056..6464, 7332..7532		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80084	Strand	-
Start	3120	End	7532
Name	OJ000204_06.0222.C9.o2.gs	Method	GENSCAN
Start	4853	End	7472
GI	none	Score	.84
Exons	4853..5079, 5355..5430, 5839..5972, 6056..6240, 6313..6464, 7350..7472		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80084	Strand	-
Start	3120	End	7532
Name	OJ000204_06.0222.C9.o1.gp	Method	AAT/GAP
Start	5796	End	6465
GI	97_1.R1084	Score	929
Exons	5796..5972, 6056..6465		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80085	Strand	-
Start	8163	End	9647
Name	OJ000204_06.0222.C9.o3.np	Method	AAT/NAP
Start	8163	End	9647
GI	5852093	Score	85
Exons	8163..8277, 9620..9647		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80086	Strand	-
Start	11161	End	11297
Name	OJ000204_06.0222.C9.o2.gp	Method	AAT/GAP
Start	11161	End	11297
GI	23880_4.R1084	Score	139
Exons	11161..11220, 11251..11297		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o5.tm	Method	TBLASTX:Maize
Start	247	End	5082
GI	none	Score	67
Exons	247..396, 4704..4862, 4705..4881, 4852..5082, 4886..5080		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o2.tm	Method	TBLASTX:Maize
Start	590	End	933
GI	none	Score	307
Exons	590..931, 712..933		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720

Name	OJ000204_06.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	593	End	898
GI	none	Score	227
Exons	593..898, 593..865		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o3.ts	Method	TBLASTX:Soybean
Start	937	End	1223
GI	none	Score	113
Exons	937..1098, 1116..1223		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o3.tm	Method	TBLASTX:Maize
Start	1712	End	2160
GI	none	Score	238
Exons	1712..2068, 2071..2160		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o4.tm	Method	TBLASTX:Maize
Start	2875	End	3108
GI	none	Score	250
Exons	2875..3108, 2877..3107		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o2.ts	Method	TBLASTX:Soybean
Start	2938	End	3261
GI	none	Score	227
Exons	2938..3261, 2994..3170		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o6.tm	Method	TBLASTX:Maize
Start	3769	End	3945
GI	none	Score	105
Exons	3769..3864, 3853..3945		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	5835	End	16720
GI	none	Score	83
Exons	5835..5918, 5839..5931, 6120..6209, 16234..16296, 16241..16294, 16375..16509, 16376..16510, 16613..16720, 16623..16712		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720

Name	OJ000204_06.0222.C9.o7.tm	Method	TBLASTX:Maize
Start	5839	End	5978
GI	none	Score	137
Exons	5839..5973, 5840..5977, 5841..5978		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o5.gp	Method	AAT/GAP
Start	15842	End	16720
GI	97_1.R1084	Score	1331
Exons	15842..16293, 16375..16509, 16619..16720		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	16149	End	16720
GI	none	Score	107
Exons	16149..16208, 16214..16294, 16214..16294, 16216..16296, 16227..16295, 16366..16458, 16375..16509, 16376..16510, 16376..16537, 16377..16523, 16613..16720, 16620..16718, 16621..16719		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o4.gs	Method	GENSCAN
Start	16217	End	16677
GI	none	Score	.89
Exons	16217..16293, 16619..16677		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o4.np	Method	AAT/NAP
Start	16225	End	16720
GI	6331695	Score	485
Exons	16225..16293, 16375..16509, 16619..16720		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	38909	Seq. ID	OJ000204_06.0222.C9
Gene No.	80087	Strand	-
Start	16217	End	16720
Name	OJ000204_06.0222.C9.o1.tc	Method	TBLASTX:Cress
Start	16231	End	16509
GI	none	Score	71
Exons	16231..16296, 16241..16294, 16375..16509, 16376..16507		

Seq. No.	38910	Seq. ID	OJ000204_06.0222.C10
Gene No.	80088	Strand	-
Start	1	End	5753
Name	OJ000204_06.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	2568
GI	6331695	Score	1315
Exons	1..149, 860..993, 1100..1508, 2356..2568		

GI Descrip. (AB024986) cyclin [Oryza sativa]

Seq. No.	38910	Seq. ID	OJ000204_06.0222.C10
Gene No.	80088	Strand	-
Start	1	End	5753
Name	OJ000204_06.0222.C10.o1.gp	Method	AAT/GAP
Start	54	End	2664
GI	97_1.R1084	Score	1812
Exons	54..149, 860..993, 1100..1508, 2356..2664		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	38910	Seq. ID	OJ000204_06.0222.C10
Gene No.	80088	Strand	-
Start	1	End	5753
Name	OJ000204_06.0222.C10.o1.gs	Method	GENSCAN
Start	57	End	5753
GI	none	Score	.55
Exons	57..149, 860..993, 1100..1508, 2356..2617, 3494..3602, 4691..4857, 5746..5753		

Seq. No.	38910	Seq. ID	OJ000204_06.0222.C10
Gene No.	80089	Strand	-
Start	6566	End	6985
Name	OJ000204_06.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	15	End	999
GI	none	Score	99
Exons	15..143, 51..152, 55..150, 860..994, 861..998, 862..999		

Seq. No.	38910	Seq. ID	OJ000204_06.0222.C10
Gene No.	80089	Strand	-
Start	6566	End	6985
Name	OJ000204_06.0222.C10.o2.gs	Method	GENSCAN
Start	6566	End	6985
GI	none	Score	.9
Exons	6566..6985		

Seq. No.	38911	Seq. ID	OJ000204_06.0222.C11
Gene No.	80090	Strand	+
Start	113	End	1544
Name	OJ000204_06.0222.C11.o1.gs	Method	GENSCAN
Start	113	End	1544
GI	none	Score	.9
Exons	113..180, 824..1003, 1057..1222, 1337..1378, 1494..1544		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80091	Strand	+
Start	611	End	2833
Name	OJ000204_06.0222.C12.o1.gs	Method	GENSCAN
Start	611	End	2833
GI	none	Score	.83
Exons	611..1290, 1960..2833		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80091	Strand	+
Start	611	End	2833
Name	OJ000204_06.0222.C12.o1.np	Method	AAT/NAP
Start	776	End	2830

GI	1360141	Score	1435
Exons	776..1290, 1960..2830		
GI Descrip.	(X97980) protein kinase [Solanum berthaultii]		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80091	Strand	+
Start	611	End	2833
Name	OJ000204_06.0222.C12.o1.gp	Method	AAT/GAP
Start	1078	End	2167
GI	uC-osf1cyp017a03b1	Score	810
Exons	1078..1290, 1960..2167		
GI Descrip.	'1360141/emb|CAA66616| 7.0e-63 (X97980) protein kinase [Solanum berthaultii]'		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	848	End	2733
GI	none	Score	467
Exons	848..1339, 916..1230, 1933..2127, 1958..2137, 2308..2517, 2309..2527, 2342..2527, 2576..2731, 2593..2733		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	848	End	1339
GI	none	Score	504
Exons	848..1339, 898..1236		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o2.ts	Method	TBLASTX:Soybean
Start	848	End	1210
GI	none	Score	380
Exons	848..1210, 925..1209		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	1211	End	2740
GI	none	Score	105
Exons	1211..1339, 1955..2134, 1960..2133, 2273..2527, 2308..2520, 2576..2740, 2590..2730		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	1975	End	2728
GI	none	Score	240
Exons	1975..2130, 1976..2134, 2213..2275, 2252..2527, 2272..2508, 2576..2728, 2584..2727		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	2366	End	2731
GI	none	Score	239
Exons	2366..2527, 2368..2508, 2381..2530, 2576..2731, 2584..2730		

Seq. No.	38912	Seq. ID	OJ000204_06.0222.C12
Gene No.	80092	Strand	-
Start	2784	End	3039
Name	OJ000204_06.0222.C12.o2.gp	Method	AAT/GAP
Start	2784	End	3039
GI	none	Score	508
Exons	2784..3039		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.gs	Method	GENSCAN
Start	379	End	1798
GI	none	Score	.68
Exons	379..660, 1227..1538, 1640..1798		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.np	Method	AAT/NAP
Start	424	End	1853
GI	3757521	Score	537
Exons	424..660, 1227..1538, 1640..1853		
GI Descrip.	(AC005167) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	569	End	1777
GI	none	Score	72
Exons	569..658, 1227..1538, 1227..1538, 1228..1539, 1349..1540, 1601..1777, 1641..1721		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1787
GI	none	Score	421
Exons	1224..1544, 1225..1545, 1225..1545, 1226..1546, 1580..1780, 1602..1724, 1627..1782, 1707..1787		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	1230	End	1756

GI	none	Score	205
Exons	1230..1532, 1231..1524, 1428..1532, 1601..1756, 1628..1699, 1641..1721, 1645..1743		

Seq. No.	38913	Seq. ID	OJ000204_06.0222.C13
Gene No.	80093	Strand	-
Start	379	End	1853
Name	OJ000204_06.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	1305	End	1789
GI	none	Score	141
Exons	1305..1535, 1342..1524, 1601..1789, 1641..1724		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80094	Strand	+
Start	11058	End	15268
Name	OJ000204_06.0222.C14.o2.gs	Method	GENSCAN
Start	11058	End	15268
GI	none	Score	.93
Exons	11058..11147, 12012..12074, 12655..12759, 13089..13340, 13783..13968, 14157..14247, 14356..15040, 15098..15144, 15213..15268		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80094	Strand	+
Start	11058	End	15268
Name	OJ000204_06.0222.C14.o2.gp	Method	AAT/GAP
Start	14451	End	14696
GI	2796687	Score	429
Exons	14451..14696		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80095	Strand	-
Start	542	End	2636
Name	OJ000204_06.0222.C14.o1.gp	Method	AAT/GAP
Start	542	End	2636
GI	2309855	Score	791
Exons	542..639, 980..1006, 1613..1702, 2418..2636		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o2.tm	Method	TBLASTX:Maize
Start	249	End	1746
GI	none	Score	62
Exons	249..302, 249..314, 250..303, 250..315, 251..304, 395..577, 396..554, 561..617, 561..620, 562..621, 562..624, 1600..1677, 1610..1675, 1612..1677, 1686..1745, 1690..1722, 1696..1746		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o1.np	Method	AAT/NAP
Start	12163	End	18360
GI	6094496	Score	443
Exons	12163..12191, 17502..17772, 17867..17936, 18057..18360		
GI Descrip.	DNA TOPOISOMERASE II gi|2330651|emb|CAA74891.1| (Y14559) topoisomerase II [Pisum sativum]		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o3.tm	Method	TBLASTX:Maize
Start	13239	End	13989
GI	none	Score	86
Exons	13239..13340, 13783..13989		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o3.gs	Method	GENSCAN
Start	16057	End	17000
GI	none	Score	.81
Exons	16057..16119, 16148..16207, 16989..17000		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o4.gs	Method	GENSCAN
Start	17307	End	18352
GI	none	Score	.85
Exons	17307..17389, 17502..17772, 17867..17936, 18057..18352		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o1.tc	Method	TBLASTX:Cress
Start	17503	End	18361
GI	none	Score	111
Exons	17503..17775, 17506..17805, 17885..17938, 18053..18355, 18054..18353, 18110..18361		

Seq. No.	38914	Seq. ID	OJ000204_06.0222.C14
Gene No.	80096	Strand	-
Start	12163	End	18361
Name	OJ000204_06.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	18077	End	18355
GI	none	Score	262
Exons	18077..18355, 18077..18355		

Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80097	Strand	+
Start	2401	End	2941
Name	OJ000204_06.0222.C15.o2.np	Method	AAT/NAP
Start	2185	End	2941
GI	6723392	Score	170
Exons	2185..2754, 2791..2941		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80097	Strand	+
Start	2401	End	2941
Name	OJ000204_06.0222.C15.o3.gs	Method	GENSCAN
Start	2401	End	2834
GI	none	Score	.91

Exons	2401..2834		
Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80098	Strand	-
Start	1	End	531
Name	OJ000204_06.0222.C15.o1.np	Method	AAT/NAP
Start	1	End	531
GI	1174740	Score	326
Exons	1..531		
GI Descrip.	DNA TOPOISOMERASE II gi|2129576|pir||S53599 DNA topoisomerase II - Arabidopsis thaliana gi|474890 (L21015) topoisomerase II [Arabidopsis thaliana]		
Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80098	Strand	-
Start	1	End	531
Name	OJ000204_06.0222.C15.o1.gs	Method	GENSCAN
Start	27	End	492
GI	none	Score	.78
Exons	27..492		
Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80099	Strand	-
Start	747	End	1198
Name	OJ000204_06.0222.C15.o2.gs	Method	GENSCAN
Start	747	End	1198
GI	none	Score	.9
Exons	747..851, 996..1135, 1156..1198		
Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80100	Strand	-
Start	1375	End	1432
Name	OJ000204_06.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	1	End	408
GI	none	Score	77
Exons	1..138, 214..363, 221..322, 355..408		
Seq. No.	38915	Seq. ID	OJ000204_06.0222.C15
Gene No.	80100	Strand	-
Start	1375	End	1432
Name	OJ000204_06.0222.C15.o1.gp	Method	AAT/GAP
Start	1375	End	1432
GI	2312838	Score	69
Exons	1375..1432		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16
Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	679
GI	6723392	Score	728
Exons	1..679		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		
Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16

Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.gs	Method	GENSCAN
Start	2	End	682
GI	none	Score	1
Exons	2..682		

Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16
Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	591
GI	none	Score	320
Exons	2..88, 14..316, 19..312, 359..469, 421..591, 494..577		

Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16
Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	10	End	433
GI	none	Score	304
Exons	10..309, 14..316, 359..433		

Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16
Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	13	End	655
GI	none	Score	332
Exons	13..300, 14..313, 368..655, 391..654		

Seq. No.	38916	Seq. ID	OJ000204_06.0222.C16
Gene No.	80101	Strand	+
Start	1	End	682
Name	OJ000204_06.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	101	End	676
GI	none	Score	122
Exons	101..190, 103..189, 190..300, 191..316, 359..676, 394..669		

Seq. No.	38917	Seq. ID	OJ000204_15.0302.C1
Gene No.	80102	Strand	-
Start	917	End	2053
Name	OJ000204_15.0302.C1.o1.gs	Method	GENSCAN
Start	917	End	2053
GI	none	Score	.61
Exons	917..1056, 1328..1408, 1993..2053		

Seq. No.	38917	Seq. ID	OJ000204_15.0302.C1
Gene No.	80103	Strand	-
Start	2310	End	2466
Name	OJ000204_15.0302.C1.o1.gp	Method	AAT/GAP
Start	2310	End	2466
GI	jC-osleLIB3474037g11a1	Score	287
Exons	2310..2466		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80104	Strand	+
Start	1	End	2223
Name	OJ000204_15.0302.C2.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	none	Score	416
Exons	1..216		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80104	Strand	+
Start	1	End	2223
Name	OJ000204_15.0302.C2.o1.gs	Method	GENSCAN
Start	53	End	2099
GI	none	Score	.91
Exons	53..244, 710..869, 1100..1269, 1348..1570, 1835..1947, 2031..2099		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80104	Strand	+
Start	1	End	2223
Name	OJ000204_15.0302.C2.o2.gp	Method	AAT/GAP
Start	787	End	1179
GI	none	Score	249
Exons	787..869, 1100..1179		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80104	Strand	+
Start	1	End	2223
Name	OJ000204_15.0302.C2.o1.np	Method	AAT/NAP
Start	1132	End	1938
GI	5001455	Score	482
Exons	1132..1269, 1348..1570, 1835..1938		
GI Descrip.	(AC007730) unknown protein [Arabidopsis thaliana]		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80104	Strand	+
Start	1	End	2223
Name	OJ000204_15.0302.C2.o4.gp	Method	AAT/GAP
Start	1417	End	2223
GI	21253_1.R1084	Score	1027
Exons	1417..1570, 1835..2223		
GI Descrip.	'5001455/gb|AAD37022.1|AC007730_4 3.0e-19 (AC007730) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80105	Strand	+
Start	3799	End	11792
Name	OJ000204_15.0302.C2.o2.gs	Method	GENSCAN
Start	3799	End	11792
GI	none	Score	.75
Exons	3799..3986, 4360..4429, 4503..4664, 4762..4806, 4905..4949, 5035..5249, 7683..8027, 8497..8640, 8974..9014, 9504..9581, 9828..9917, 10586..10740, 11547..11792		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80105	Strand	+
Start	3799	End	11792

Name	OJ000204_15.0302.C2.o2.np	Method	AAT/NAP
Start	3799	End	5247
GI	5019464	Score	315
Exons	3799..3986, 4360..4437, 4514..4664, 4866..4965, 5059..5247		
GI Descrip.	(AJ132219) putative MADS domain transcription factor GGM13 [Gnetum gnemon]		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80105	Strand	+
Start	3799	End	11792
Name	OJ000204_15.0302.C2.o5.gp	Method	AAT/GAP
Start	4356	End	4421
GI	uC-osflcyp174g12b1	Score	106
Exons	4356..4421		
GI Descrip.	'5019464/emb|CAB44459.1| 8.0e-20 (AJ132219) putative MADS domain transcription factor GGM13 [Gnetum gnemon]'		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80106	Strand	+
Start	12994	End	14531
Name	OJ000204_15.0302.C2.o3.gs	Method	GENSCAN
Start	12994	End	14531
GI	none	Score	.52
Exons	12994..13046, 13073..13264, 13620..13953, 14223..14531		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80107	Strand	+
Start	17440	End	19835
Name	OJ000204_15.0302.C2.o5.gs	Method	GENSCAN
Start	17440	End	19835
GI	none	Score	.68
Exons	17440..17529, 18954..19071, 19711..19835		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80108	Strand	-
Start	1097	End	1409
Name	OJ000204_15.0302.C2.o3.gp	Method	AAT/GAP
Start	1097	End	1409
GI	none	Score	275
Exons	1097..1289, 1366..1409		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80109	Strand	-
Start	14813	End	15454
Name	OJ000204_15.0302.C2.o4.gs	Method	GENSCAN
Start	14813	End	15454
GI	none	Score	.83
Exons	14813..15454		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o2.tc	Method	TBLASTX:Cress
Start	32	End	1158
GI	none	Score	223
Exons	32..217, 47..244, 707..889, 707..868, 709..882, 1098..1157, 1099..1158		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o3.ts	Method	TBLASTX:Soybean
Start	53	End	1158
GI	none	Score	196
Exons	53..232, 61..186, 80..232, 709..885, 710..889, 710..895, 1099..1158		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o1.tm	Method	TBLASTX:Maize
Start	125	End	1990
GI	none	Score	153
Exons	125..244, 134..244, 707..889, 708..854, 710..862, 1103..1270, 1113..1271, 1345..1569, 1347..1571, 1348..1572, 1831..1989, 1832..1990		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o1.tc	Method	TBLASTX:Cress
Start	1200	End	1905
GI	none	Score	116
Exons	1200..1274, 1201..1269, 1335..1556, 1345..1566, 1347..1571, 1348..1572, 1365..1478, 1365..1523, 1366..1524, 1831..1905, 1833..1904		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o1.ts	Method	TBLASTX:Soybean
Start	1386	End	2019
GI	none	Score	267
Exons	1386..1577, 1387..1572, 1827..1988, 1831..2019		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o1.tw	Method	TBLASTX:Wheat
Start	3776	End	3978
GI	none	Score	77
Exons	3776..3892, 3798..3896, 3798..3977, 3799..3978		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o2.tm	Method	TBLASTX:Maize
Start	3798	End	3978
GI	none	Score	239
Exons	3798..3956, 3799..3978		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857

Name	OJ000204_15.0302.C2.o2.ts	Method	TBLASTX:Soybean
Start	3798	End	4031
GI	none	Score	222
Exons	3798..3953, 3799..3975, 3799..3975, 3981..4031		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o3.tc	Method	TBLASTX:Cress
Start	3798	End	3975
GI	none	Score	227
Exons	3798..3953, 3799..3975		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o3.tm	Method	TBLASTX:Maize
Start	4503	End	5175
GI	none	Score	192
Exons	4503..4646, 4504..4662, 4505..4663, 4506..4664, 4531..4668, 4898..4960, 4898..4948, 5047..5112, 5049..5111, 5134..5175		

Seq. No.	38918	Seq. ID	OJ000204_15.0302.C2
Gene No.	80110	Strand	-
Start	23236	End	25857
Name	OJ000204_15.0302.C2.o8.gs	Method	GENSCAN
Start	23236	End	25857
GI	none	Score	.57
Exons	23236..23306, 23871..23936, 24327..24451, 24605..24707, 25794..25857		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.np	Method	AAT/NAP
Start	1	End	2244
GI	4587519	Score	430
Exons	1..207, 335..470, 1049..1206, 2161..2244		
GI Descrip.	(AC007060) Strong similarity to F19I3.7 gi|3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb|AC004238. ESTs gb|Z17908, gb|AA728673, gb|N96555, gb|H76335, gb|AA712463, gb|W43247, gb|T45611, g...		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	295	End	2271
GI	none	Score	182
Exons	295..468, 334..471, 335..493, 335..469, 1048..1203, 1049..1201, 2159..2245, 2159..2242, 2161..2247, 2224..2271		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	332	End	476

GI	none	Score	81
Exons	332..475, 399..476		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.gs	Method	GENSCAN
Start	335	End	2259
GI	none	Score	.96
Exons	335..470, 1049..1200, 2161..2259		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	335	End	1216
GI	none	Score	91
Exons	335..469, 336..470, 351..470, 373..471, 1031..1177, 1048..1176, 1048..1182, 1049..1216		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o1.gp	Method	AAT/GAP
Start	410	End	2244
GI	37748_1.R1084	Score	515
Exons	410..470, 1049..1200, 2161..2244		
GI Descrip.	'4587519/gb|AAD25750.1|AC007060_8 1.0e-50 (AC007060) Strong similarity to F19I3.7 gi_3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb_AC004238. ESTs gb_Z17908, gb_AA728673, gb_N96555, gb_H76335, gb_AA712463, gb_W43247, gb_T45611, g'		

Seq. No.	38919	Seq. ID	OJ000204_15.0302.C4
Gene No.	80111	Strand	-
Start	1	End	2271
Name	OJ000204_15.0302.C4.o2.ts	Method	TBLASTX:Soybean
Start	1048	End	2250
GI	none	Score	96
Exons	1048..1203, 1052..1210, 2170..2250		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80112	Strand	+
Start	94	End	5206
Name	OJ000204_15.0302.C5.o1.gs	Method	GENSCAN
Start	94	End	4936
GI	none	Score	.79
Exons	94..162, 756..950, 988..1148, 1807..1945, 1991..2124, 2670..2783, 3345..3885, 4479..4632, 4734..4936		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80112	Strand	+
Start	94	End	5206
Name	OJ000204_15.0302.C5.o2.gp	Method	AAT/GAP
Start	981	End	3556
GI	58519_1.R1084	Score	855
Exons	981..1148, 2670..2783, 3345..3556		

GI Descrip.	'2961284/emb|CAA76418| 1.0e-24 (Y16848) cinnamyl alcohol dehydrogenase-like protein, subunit a [Arabidopsis thaliana] >gi_4467103_emb_CAB37537_ (AL035538) cinnamyl alcohol dehydrogenase-like protein, LCADa [Arabidopsis thaliana]'		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80112	Strand	+
Start	94	End	5206
Name	OJ000204_15.0302.C5.o1.np	Method	AAT/NAP
Start	1043	End	4939
GI	2961284	Score	955
Exons	1043..1148, 2670..2783, 3345..3885, 4479..4632, 4734..4939		
GI Descrip.	(Y16848) cinnamyl alcohol dehydrogenase-like protein, subunit a [Arabidopsis thaliana] gi|4467103|emb|CAB37537| (AL035538) cinnamyl alcohol dehydrogenase-like protein, LCADa [Arabidopsis thaliana]		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80112	Strand	+
Start	94	End	5206
Name	OJ000204_15.0302.C5.o3.gp	Method	AAT/GAP
Start	4485	End	5206
GI	none	Score	1090
Exons	4485..4632, 4734..5206		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80113	Strand	+
Start	8032	End	8111
Name	OJ000204_15.0302.C5.o5.gp	Method	AAT/GAP
Start	8032	End	8111
GI	572426	Score	138
Exons	8032..8111		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80114	Strand	+
Start	8510	End	8958
Name	OJ000204_15.0302.C5.o6.gp	Method	AAT/GAP
Start	8510	End	8958
GI	572426	Score	549
Exons	8510..8666, 8765..8958		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80115	Strand	+
Start	12571	End	13892
Name	OJ000204_15.0302.C5.o4.gs	Method	GENSCAN
Start	12571	End	13892
GI	none	Score	.64
Exons	12571..12609, 13008..13110, 13440..13490, 13735..13892		
Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80116	Strand	-
Start	1	End	217
Name	OJ000204_15.0302.C5.o1.gp	Method	AAT/GAP
Start	1	End	217
GI	37748_1.R1084	Score	430
Exons	1..217		
GI Descrip.	'4587519/gb|AAD25750.1|AC007060_8 1.0e-50 (AC007060) Strong		

similarity to F19I3.7 gi_3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb_AC004238. ESTs gb_Z17908, gb_AA728673, gb_N96555, gb_H76335, gb_AA712463, gb_W43247, gb_T45611, g'

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80117	Strand	-
Start	5330	End	8847
Name	OJ000204_15.0302.C5.o2.np	Method	AAT/NAP
Start	5327	End	8847
GI	4835759	Score	2218
Exons	5327..7555, 8800..8847		
GI Descrip.	(AC007202) T8K14.9 [Arabidopsis thaliana]		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80117	Strand	-
Start	5330	End	8847
Name	OJ000204_15.0302.C5.o2.gs	Method	GENSCAN
Start	5330	End	7681
GI	none	Score	.9
Exons	5330..7681		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80117	Strand	-
Start	5330	End	8847
Name	OJ000204_15.0302.C5.o4.gp	Method	AAT/GAP
Start	6163	End	6628
GI	uC-osflcyp151b12b1	Score	912
Exons	6163..6628		
GI Descrip.	'4835759/gb|AAD30226.1|AC007202_8 4.0e-58 (AC007202) T8K14.9 [Arabidopsis thaliana]'		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80118	Strand	-
Start	9531	End	11726
Name	OJ000204_15.0302.C5.o3.gs	Method	GENSCAN
Start	9531	End	11686
GI	none	Score	.55
Exons	9531..9550, 9791..10058, 10566..10715, 11048..11686		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80118	Strand	-
Start	9531	End	11726
Name	OJ000204_15.0302.C5.o7.gp	Method	AAT/GAP
Start	9539	End	10673
GI	3766647	Score	1192
Exons	9539..10058, 10566..10673		
GI Descrip.	2388566 2.0e-43 (AC000098) Similar to Arabidopsis Fe(II) transport protein (gb_U27590). [Arabidopsis thaliana]		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80118	Strand	-
Start	9531	End	11726
Name	OJ000204_15.0302.C5.o3.np	Method	AAT/NAP
Start	9756	End	11696
GI	3252866	Score	770
Exons	9756..10058, 10566..10715, 11048..11079, 11116..11696		

GI Descrip. (AF033535) putative zinc transporter [Arabidopsis thaliana]

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80118	Strand	-
Start	9531	End	11726
Name	OJ000204_15.0302.C5.o8.gp	Method	AAT/GAP
Start	11357	End	11726
GI	3766646	Score	699
Exons	11357..11726		
GI Descrip.	3252866 2.0e-11 (AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	2667	End	4926
GI	none	Score	184
Exons	2667..2783, 2668..2787, 3346..3483, 3346..3408, 3348..3434, 3492..3593, 3493..3591, 3655..3699, 3666..3884, 3763..3885, 4473..4637, 4476..4637, 4729..4926, 4733..4921		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o2.tc	Method	TBLASTX:Cress
Start	2667	End	4926
GI	none	Score	153
Exons	2667..2783, 2668..2787, 2677..2787, 2696..2797, 3345..3422, 3346..3483, 3498..3593, 3499..3591, 3655..3705, 3666..3884, 3769..3894, 4473..4646, 4476..4634, 4562..4657, 4732..4926, 4733..4921		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	2667	End	7738
GI	none	Score	154
Exons	2667..2783, 2668..2787, 2668..2787, 3345..3431, 3346..3483, 3495..3593, 3496..3591, 3655..3705, 3666..3716, 3759..3893, 3766..3894, 4473..4646, 4481..4633, 4733..4921, 4750..4908, 7616..7738		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	3505	End	4923
GI	none	Score	109
Exons	3505..3591, 3513..3593, 3655..3699, 3670..3765, 3759..3884, 3763..3894, 4473..4637, 4474..4629, 4476..4637, 4738..4923, 4739..4921		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771

Name	OJ000204_15.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	5337	End	5893
GI	none	Score	332
Exons	5337..5645, 5354..5656, 5660..5713, 5661..5714, 5714..5803, 5715..5810, 5835..5891, 5837..5893		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o3.ts	Method	TBLASTX:Soybean
Start	5978	End	6140
GI	none	Score	127
Exons	5978..6139, 5979..6140		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o4.tm	Method	TBLASTX:Maize
Start	8557	End	9097
GI	none	Score	105
Exons	8557..8667, 8558..8674, 8560..8682, 8561..8686, 8764..8997, 8809..8988, 9073..9096, 9077..9097		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o2.ts	Method	TBLASTX:Soybean
Start	9753	End	10719
GI	none	Score	183
Exons	9753..10067, 9757..10059, 10555..10719, 10566..10718		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o3.tc	Method	TBLASTX:Cress
Start	9753	End	11579
GI	none	Score	196
Exons	9753..10067, 9757..10023, 10555..10719, 10566..10718, 11309..11479, 11355..11579, 11357..11479		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o3.tm	Method	TBLASTX:Maize
Start	9753	End	10619
GI	none	Score	216
Exons	9753..10067, 9757..10059, 10555..10617, 10566..10619		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o2.tm	Method	TBLASTX:Maize
Start	11124	End	11470
GI	none	Score	293
Exons	11124..11171, 11183..11461, 11214..11462, 11300..11470		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5

Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o4.ts	Method	TBLASTX:Soybean
Start	11237	End	11546
GI	none	Score	120
Exons	11237..11329, 11327..11491, 11328..11486, 11514..11546		

Seq. No.	38920	Seq. ID	OJ000204_15.0302.C5
Gene No.	80119	Strand	-
Start	15592	End	16771
Name	OJ000204_15.0302.C5.o5.gs	Method	GENSCAN
Start	15592	End	16771
GI	none	Score	.66
Exons	15592..15684, 16456..16580, 16714..16771		

Seq. No.	38921	Seq. ID	OJ000204_15.0302.C6
Gene No.	80120	Strand	+
Start	1081	End	1170
Name	OJ000204_15.0302.C6.o1.gs	Method	GENSCAN
Start	1081	End	1170
GI	none	Score	.69
Exons	1081..1170		

Seq. No.	38922	Seq. ID	OJ000204_15.0302.C7
Gene No.	80121	Strand	+
Start	173	End	2401
Name	OJ000204_15.0302.C7.o1.np	Method	AAT/NAP
Start	173	End	2401
GI	2827659	Score	146
Exons	173..377, 1954..2206, 2312..2401		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	38922	Seq. ID	OJ000204_15.0302.C7
Gene No.	80121	Strand	+
Start	173	End	2401
Name	OJ000204_15.0302.C7.o1.gp	Method	AAT/GAP
Start	518	End	816
GI	none	Score	456
Exons	518..816		

Seq. No.	38922	Seq. ID	OJ000204_15.0302.C7
Gene No.	80121	Strand	+
Start	173	End	2401
Name	OJ000204_15.0302.C7.o1.gs	Method	GENSCAN
Start	630	End	2190
GI	none	Score	.71
Exons	630..866, 1948..2190		

Seq. No.	38922	Seq. ID	OJ000204_15.0302.C7
Gene No.	80121	Strand	+
Start	173	End	2401
Name	OJ000204_15.0302.C7.o2.gp	Method	AAT/GAP
Start	791	End	2021
GI	none	Score	280
Exons	791..866, 1948..2021		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8

Gene No.	80122	Strand	+
Start	303	End	1331
Name	OJ000204_15.0302.C8.o1.gs	Method	GENSCAN
Start	303	End	1331
GI	none	Score	.98
Exons	303..1331		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80122	Strand	+
Start	303	End	1331
Name	OJ000204_15.0302.C8.o1.np	Method	AAT/NAP
Start	318	End	1325
GI	2827659	Score	991
Exons	318..1325		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80122	Strand	+
Start	303	End	1331
Name	OJ000204_15.0302.C8.o1.gp	Method	AAT/GAP
Start	683	End	1036
GI	LIB3434-014-P1-K1-G2	Score	672
Exons	683..1036		
GI Descrip.	'2827659/emb|CAA16613.1| 2.0e-33 (AL021637) putative protein [Arabidopsis thaliana]'		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80123	Strand	+
Start	7496	End	7688
Name	OJ000204_15.0302.C8.o2.gp	Method	AAT/GAP
Start	7496	End	7688
GI	none	Score	386
Exons	7496..7688		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o2.ts	Method	TBLASTX:Soybean
Start	318	End	676
GI	none	Score	69
Exons	318..380, 432..674, 545..676		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o1.tm	Method	TBLASTX:Maize
Start	711	End	1052
GI	none	Score	523
Exons	711..1052, 713..997, 792..1031		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o4.ts	Method	TBLASTX:Soybean
Start	1008	End	1222
GI	none	Score	198
Exons	1008..1220, 1085..1222		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o3.tc	Method	TBLASTX:Cress
Start	1050	End	1319
GI	none	Score	183
Exons	1050..1223, 1085..1222, 1190..1312, 1224..1319		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o4.tm	Method	TBLASTX:Maize
Start	1148	End	1404
GI	none	Score	272
Exons	1148..1318, 1149..1331, 1348..1404		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o2.gs	Method	GENSCAN
Start	1669	End	8323
GI	none	Score	.61
Exons	1669..1804, 1923..2046, 4387..4449, 4920..5401, 6004..6326, 7978..8047, 8133..8323		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o2.np	Method	AAT/NAP
Start	4903	End	6347
GI	4966353	Score	555
Exons	4903..5401, 6004..6347		
GI Descrip.	(AC006341) ESTs gb|T76348, gb|N65615 and gb|Z18119 come from this gene. [Arabidopsis thaliana]		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o3.tm	Method	TBLASTX:Maize
Start	5029	End	5290
GI	none	Score	360
Exons	5029..5052, 5047..5289, 5048..5290		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o1.tc	Method	TBLASTX:Cress
Start	5032	End	5387
GI	none	Score	209
Exons	5032..5070, 5062..5373, 5108..5374, 5235..5387, 5250..5384		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o3.ts	Method	TBLASTX:Soybean
Start	5044	End	5268

GI	none	Score	163
Exons	5044..5268, 5108..5260		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o5.ts	Method	TBLASTX:Soybean
Start	5269	End	6095
GI	none	Score	95
Exons	5269..5400, 5285..5404, 5294..5407, 5988..6095		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o5.tm	Method	TBLASTX:Maize
Start	5348	End	6369
GI	none	Score	60
Exons	5348..5401, 5350..5400, 5982..6095, 6006..6095, 6180..6245, 6181..6246, 6292..6369, 6305..6349		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o3.gp	Method	AAT/GAP
Start	7727	End	9041
GI	uC-osflcyp028h11b1	Score	865
Exons	7727..7874, 7978..8047, 8133..8323, 8923..9041		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o2.tm	Method	TBLASTX:Maize
Start	7735	End	9021
GI	none	Score	34
Exons	7735..7761, 7736..7756, 7777..7875, 7779..7874, 7779..7877, 7825..7875, 7976..8050, 7976..8047, 7978..8049, 8118..8324, 8129..8323, 8920..9021, 8921..9019		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o2.tc	Method	TBLASTX:Cress
Start	7776	End	9007
GI	none	Score	44
Exons	7776..7877, 7828..7875, 7978..8049, 7982..8050, 8129..8323, 8133..8324, 8173..8325, 8920..9006, 8921..9007		

Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o3.np	Method	AAT/NAP
Start	7779	End	9050
GI	4885579	Score	346

Exons	7779..7874, 7978..8047, 8133..8323, 8923..9050		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		
Seq. No.	38923	Seq. ID	OJ000204_15.0302.C8
Gene No.	80124	Strand	-
Start	1669	End	9050
Name	OJ000204_15.0302.C8.o1.ts	Method	TBLASTX:Soybean
Start	7827	End	9023
GI	none	Score	206
Exons	7827..7877, 7978..8049, 8118..8324, 8119..8310, 8129..8323, 8920..9021, 8921..9019, 8925..9023		
Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80125	Strand	+
Start	328	End	4885
Name	OJ000204_15.0302.C9.o1.gs	Method	GENSCAN
Start	328	End	4684
GI	none	Score	.42
Exons	328..401, 2000..2041, 2111..2691, 2794..2971, 3321..3423, 3598..3638, 3723..3823, 4123..4271, 4330..4442, 4588..4684		
Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80125	Strand	+
Start	328	End	4885
Name	OJ000204_15.0302.C9.o2.gp	Method	AAT/GAP
Start	2848	End	4885
GI	727_1.R1084	Score	1405
Exons	2848..2971, 3598..3638, 3723..3823, 4123..4267, 4353..4442, 4588..4885		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		
Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80125	Strand	+
Start	328	End	4885
Name	OJ000204_15.0302.C9.o2.np	Method	AAT/NAP
Start	3586	End	4681
GI	133867	Score	659
Exons	3586..3638, 3723..3823, 4123..4267, 4353..4442, 4588..4681		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		
Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80126	Strand	+
Start	5666	End	7494
Name	OJ000204_15.0302.C9.o3.gp	Method	AAT/GAP
Start	5559	End	7017
GI	727_2.R1084	Score	763
Exons	5559..5677, 6186..6226, 6314..6414, 6747..6891, 6964..7017		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 5.0e-48 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea		

mays]'

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80126	Strand	+
Start	5666	End	7494
Name	OJ000204_15.0302.C9.o2.gs	Method	GENSCAN
Start	5666	End	7295
GI	none	Score	.82
Exons	5666..5677, 6186..6226, 6314..6414, 6747..6895, 7022..7053, 7199..7295		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80126	Strand	+
Start	5666	End	7494
Name	OJ000204_15.0302.C9.o3.np	Method	AAT/NAP
Start	6174	End	7292
GI	133867	Score	658
Exons	6174..6226, 6314..6414, 6747..6891, 6964..7053, 7199..7292		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80126	Strand	+
Start	5666	End	7494
Name	OJ000204_15.0302.C9.o4.gp	Method	AAT/GAP
Start	6742	End	7494
GI	727_1.R1084	Score	883
Exons	6742..6891, 6964..7053, 7199..7494		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80127	Strand	-
Start	1	End	2226
Name	OJ000204_15.0302.C9.o1.np	Method	AAT/NAP
Start	1	End	2226
GI	4885579	Score	341
Exons	1..119, 312..418, 833..875, 1047..1136, 1359..1430, 2078..2226		
GI Descrip.	rcd1 (required for cell differentiation, S.pombe) homolog 1 gi|1620898|dbj|BAA13508| (D87957) protein involved in sexual development [Homo sapiens]		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80127	Strand	-
Start	1	End	2226
Name	OJ000204_15.0302.C9.o1.gp	Method	AAT/GAP
Start	312	End	1119
GI	uC-osroM202022a04b1	Score	385
Exons	312..418, 833..875, 1047..1119		
GI Descrip.	'1620896/dbj|BAA13507| 5.0e-42 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o3.ts	Method	TBLASTX:Soybean
Start	309	End	2167
GI	none	Score	137
Exons	309..419, 310..420, 828..878, 1047..1142, 1048..1140, 1048..1155, 1359..1433, 1363..1431, 2063..2167		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o2.tc	Method	TBLASTX:Cress
Start	3591	End	7249
GI	none	Score	70
Exons	3591..3638, 3595..3636, 3720..3821, 3766..3825, 3768..3824, 4121..4276, 4122..4283, 4128..4283, 4351..4443, 4353..4442, 4355..4447, 4585..4638, 4586..4633, 6179..6226, 6183..6224, 6304..6411, 6310..6411, 6311..6412, 6357..6416, 6359..6415, 6742..6903, 6746..6892, 6962..7054, 6964..7053, 6965..7054, 6966..7058, 7196..7249, 7197..7244		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o2.tm	Method	TBLASTX:Maize
Start	3591	End	7470
GI	none	Score	71
Exons	3591..3638, 3596..3640, 3597..3641, 3713..3823, 3723..3824, 3766..3828, 3768..3827, 4119..4271, 4121..4267, 4121..4276, 4122..4283, 4350..4442, 4351..4443, 4352..4453, 4585..4641, 4586..4633, 4748..4768, 6179..6226, 6183..6224, 6185..6229, 6304..6414, 6314..6415, 6357..6419, 6359..6418, 6740..6892, 6741..6830, 6742..6903, 6961..7053, 6962..7054, 6962..7054, 7196..7252, 7197..7244, 7259..7327, 7268..7339, 7447..7470		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o2.ts	Method	TBLASTX:Soybean
Start	3591	End	7261
GI	none	Score	70
Exons	3591..3638, 3595..3636, 3725..3826, 3726..3824, 3766..3828, 3768..3827, 4121..4276, 4122..4283, 4129..4320, 4350..4442, 4350..4442, 4351..4443, 4585..4650, 4586..4633, 4651..4698, 6179..6226, 6183..6224, 6316..6417, 6317..6415, 6357..6419, 6359..6418, 6740..6892, 6742..6903, 6745..6903, 6951..7052, 6961..7053, 6962..7054, 6962..7054, 6963..7055, 7196..7261, 7197..7244		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o5.gp	Method	AAT/GAP
Start	8785	End	10864
GI	17853_1.R1084	Score	1704
Exons	8785..8959, 9066..9222, 9329..9443, 9650..9717, 9805..9948,		

10027..10104, 10189..10271, 10363..10402, 10627..10701, 10836..10864

GI Descrip. '3033397 1.0e-131 (AC004238) unknown protein [Arabidopsis thaliana]'

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o1.tw	Method	TBLASTX:Wheat
Start	8858	End	9199
GI	none	Score	83
Exons	8858..8950, 8860..8949, 8861..8953, 8862..8951, 8862..8960, 8863..8961, 9051..9164, 9064..9198, 9065..9199		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	8860	End	12040
GI	none	Score	147
Exons	8860..8961, 8860..8952, 8861..8962, 8862..8960, 9051..9164, 9064..9225, 9065..9223, 9066..9224, 9067..9225, 9326..9448, 9327..9437, 9328..9438, 9647..9718, 9652..9720, 9652..9717, 9799..9951, 9805..9951, 10025..10108, 10028..10105, 10183..10272, 10187..10273, 10346..10405, 10363..10404, 10622..10699, 10623..10700, 10624..10704, 10625..10702, 10632..10709, 10828..10947, 10833..10946, 11028..11117, 11029..11124, 11039..11119, 11459..11515, 11460..11531, 11609..11635, 11612..11764, 11641..11703, 11984..12040, 11984..12040		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o1.tc	Method	TBLASTX:Cress
Start	8862	End	9413
GI	none	Score	72
Exons	8862..8960, 8862..8960, 8863..8967, 9064..9225, 9065..9223, 9326..9412, 9327..9413		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o3.gs	Method	GENSCAN
Start	8862	End	12039
GI	none	Score	.76
Exons	8862..8959, 9066..9254, 9654..9717, 9805..9948, 10027..10164, 10189..10271, 10363..10402, 10627..10701, 10836..10948, 11065..11119, 11473..11512, 11616..11767, 11985..12039		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o1.ts	Method	TBLASTX:Soybean
Start	8862	End	11725
GI	none	Score	83
Exons	8862..8960, 8862..8960, 8863..8967, 9064..9225, 9065..9223,		

9321..9443, 9326..9448, 9327..9446, 9650..9715, 9652..9717,
9797..9943, 9799..9951, 9800..9958, 9804..9986, 9805..9951,
10034..10105, 10063..10104, 10183..10275, 10187..10273,
10364..10405, 10371..10409, 10620..10703, 10622..10702,
10624..10704, 10625..10705, 10831..10935, 10833..10940,
11025..11117, 11025..11117, 11041..11124, 11041..11124,
11459..11515, 11460..11534, 11618..11725, 11641..11703

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o4.np	Method	AAT/NAP
Start	8865	End	12041
GI	6136087	Score	1422
Exons	8865..8959, 9066..9222, 9329..9443, 9650..9717, 9805..9948, 10027..10104, 10189..10271, 10363..10402, 10627..10701, 10836..10954, 11030..11119, 11473..11512, 11611..11762, 11985..12041		
GI Descrip.	PROBABLE UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE gi|3033397|gb|AAC12841.1| (AC004238) putative UDP-N-acetylglucosamine pyrophosphorylase [Arabidopsis thaliana]		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o4.tc	Method	TBLASTX:Cress
Start	10034	End	10704
GI	none	Score	81
Exons	10034..10105, 10040..10075, 10063..10104, 10183..10275, 10187..10276, 10367..10402, 10368..10394, 10624..10704, 10628..10702		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o3.tc	Method	TBLASTX:Cress
Start	10851	End	11764
GI	none	Score	91
Exons	10851..10949, 10852..10953, 11040..11117, 11041..11124, 11459..11515, 11460..11516, 11615..11764, 11641..11703		

Seq. No.	38924	Seq. ID	OJ000204_15.0302.C9
Gene No.	80128	Strand	-
Start	8862	End	12041
Name	OJ000204_15.0302.C9.o6.gp	Method	AAT/GAP
Start	11477	End	12041
GI	uC-osroM202036d05b1	Score	418
Exons	11477..11512, 11611..11762, 11985..12041		
GI Descrip.	'3033397 1.0e-12 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.gs	Method	GENSCAN
Start	154	End	5108
GI	none	Score	.49

Exons	154..589, 1416..1466, 1508..1733, 1908..2153, 2255..2305, 2567..2827, 2916..2968, 3048..3162, 3384..3638, 4060..5108		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.gp	Method	AAT/GAP
Start	240	End	673
GI	none	Score	694
Exons	240..673		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.np	Method	AAT/NAP
Start	990	End	5105
GI	3033401	Score	2704
Exons	990..1029, 1093..1202, 1508..1733, 1908..2153, 2255..2305, 2567..2827, 2916..2968, 3048..3162, 3384..3638, 4060..5105		
GI Descrip.	(AC004238) putative potassium transporter [Arabidopsis thaliana]		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o3.ts	Method	TBLASTX:Soybean
Start	1534	End	2152
GI	none	Score	78
Exons	1534..1608, 1553..1636, 1625..1729, 1642..1728, 1891..1989, 1905..2003, 1907..2152, 2047..2151		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.tc	Method	TBLASTX:Cress
Start	1544	End	5116
GI	none	Score	73
Exons	1544..1612, 1553..1636, 1622..1735, 1642..1734, 1906..2151, 1907..2152, 2248..2298, 2571..2630, 2589..2834, 2605..2829, 2900..2977, 3036..3161, 3376..3639, 3377..3640, 4058..4597, 4059..4679, 4893..5108, 4922..5089, 4988..5116		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o2.tm	Method	TBLASTX:Maize
Start	1546	End	2688
GI	none	Score	132
Exons	1546..1647, 1553..1648, 1655..1735, 1659..1751, 1691..1735, 1890..2060, 1906..2151, 1907..2152, 2248..2316, 2253..2315, 2568..2687, 2592..2687, 2602..2688		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.tw	Method	TBLASTX:Wheat
Start	1902	End	2163
GI	none	Score	55

Exons	1902..2006, 1906..2001, 1907..2152, 2044..2151, 2047..2163		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o2.ts	Method	TBLASTX:Soybean
Start	2592	End	2775
GI	none	Score	143
Exons	2592..2765, 2600..2767, 2601..2774, 2602..2775		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o5.tm	Method	TBLASTX:Maize
Start	2773	End	3185
GI	none	Score	71
Exons	2773..2829, 2787..2828, 2900..2977, 2914..2967, 3041..3166, 3044..3166, 3045..3185, 3048..3167		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.ts	Method	TBLASTX:Soybean
Start	2784	End	5115
GI	none	Score	65
Exons	2784..2828, 2785..2829, 2900..2977, 2914..2961, 3045..3185, 3047..3160, 3376..3642, 3377..3640, 4058..4747, 4059..4733, 4756..4827, 4764..4880, 4875..5108, 4877..5089, 4878..5105, 5026..5115		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o3.tm	Method	TBLASTX:Maize
Start	3376	End	3642
GI	none	Score	331
Exons	3376..3642, 3377..3640		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o1.tm	Method	TBLASTX:Maize
Start	4052	End	4591
GI	none	Score	235
Exons	4052..4414, 4052..4591, 4059..4589, 4466..4591		
Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o2.gp	Method	AAT/GAP
Start	4376	End	4818
GI	LIB3474-006-P1-K1-G2	Score	795
Exons	4376..4818		
GI Descrip.	'4512624/gb|AAD21693.1| 1.0e-45 (AC004793) Strong similarity to gi_3033401 F19I3.29 putative potassium transporter from Arabidopsis thaliana BAC gb_AC004238'		

Seq. No.	38925	Seq. ID	OJ000204_15.0302.C12
Gene No.	80129	Strand	+
Start	154	End	5137
Name	OJ000204_15.0302.C12.o4.tm	Method	TBLASTX:Maize
Start	4907	End	5137
GI	none	Score	314
Exons	4907..5137, 4908..5108, 5011..5109		

Seq. No.	38926	Seq. ID	OJ000204_15.0302.C13
Gene No.	80130	Strand	+
Start	3723	End	8333
Name	OJ000204_15.0302.C13.o1.gp	Method	AAT/GAP
Start	3723	End	7032
GI	none	Score	1182
Exons	3723..3821, 4927..5033, 5146..5250, 6236..6385, 6778..7032		

Seq. No.	38926	Seq. ID	OJ000204_15.0302.C13
Gene No.	80130	Strand	+
Start	3723	End	8333
Name	OJ000204_15.0302.C13.o3.gs	Method	GENSCAN
Start	4965	End	8333
GI	none	Score	.9
Exons	4965..5033, 6236..6385, 6778..7458, 7494..7633, 8198..8333		

Seq. No.	38926	Seq. ID	OJ000204_15.0302.C13
Gene No.	80131	Strand	-
Start	32	End	237
Name	OJ000204_15.0302.C13.o1.gs	Method	GENSCAN
Start	32	End	237
GI	none	Score	.76
Exons	32..237		

Seq. No.	38926	Seq. ID	OJ000204_15.0302.C13
Gene No.	80132	Strand	-
Start	644	End	3797
Name	OJ000204_15.0302.C13.o2.gs	Method	GENSCAN
Start	644	End	3797
GI	none	Score	.63
Exons	644..1120, 1222..1378, 2423..2557, 3204..3234, 3722..3797		

Seq. No.	38926	Seq. ID	OJ000204_15.0302.C13
Gene No.	80133	Strand	
Start	4961	End	7140
Name	OJ000204_15.0302.C13.o1.tm	Method	TBLASTX:Maize
Start	4961	End	7140
GI	none	Score	65
Exons	4961..5038, 4961..5020, 4963..5037, 5140..5250, 5148..5264, 5149..5271, 6212..6400, 6229..6384, 6234..6389, 6778..6843, 6940..6999, 6996..7136, 7044..7139, 7084..7140		

Seq. No.	38927	Seq. ID	OJ000204_15.0302.C14
Gene No.	80134	Strand	+
Start	313	End	531
Name	OJ000204_15.0302.C14.o1.gs	Method	GENSCAN
Start	313	End	531
GI	none	Score	.95
Exons	313..531		

Seq. No.	38927	Seq. ID	OJ000204_15.0302.C14
Gene No.	80135	Strand	-
Start	1145	End	1266
Name	OJ000204_15.0302.C14.o2.gs	Method	GENSCAN
Start	1145	End	1266
GI	none	Score	.85
Exons	1145..1266		

Seq. No.	38928	Seq. ID	OJ000204_15.0302.C15
Gene No.	80136	Strand	+
Start	1217	End	1417
Name	OJ000204_15.0302.C15.o1.gs	Method	GENSCAN
Start	1217	End	1417
GI	none	Score	.69
Exons	1217..1417		

Seq. No.	38929	Seq. ID	OJ000125_22.0229.C2
Gene No.	80137	Strand	+
Start	733	End	4031
Name	OJ000125_22.0229.C2.o1.np	Method	AAT/NAP
Start	733	End	3706
GI	4680204	Score	525
Exons	733..757, 2221..3153, 3242..3706		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	38929	Seq. ID	OJ000125_22.0229.C2
Gene No.	80137	Strand	+
Start	733	End	4031
Name	OJ000125_22.0229.C2.o2.gs	Method	GENSCAN
Start	2980	End	4031
GI	none	Score	.7
Exons	2980..3153, 3242..3600, 3602..4031		

Seq. No.	38929	Seq. ID	OJ000125_22.0229.C2
Gene No.	80138	Strand	-
Start	554	End	839
Name	OJ000125_22.0229.C2.o1.gs	Method	GENSCAN
Start	554	End	839
GI	none	Score	.44
Exons	554..641, 691..839		

Seq. No.	38929	Seq. ID	OJ000125_22.0229.C2
Gene No.	80139	Strand	-
Start	3854	End	7176
Name	OJ000125_22.0229.C2.o1.tw	Method	TBLASTX:Wheat
Start	2461	End	2763
GI	none	Score	127
Exons	2461..2631, 2478..2609, 2653..2763		

Seq. No.	38929	Seq. ID	OJ000125_22.0229.C2
Gene No.	80139	Strand	-
Start	3854	End	7176
Name	OJ000125_22.0229.C2.o2.np	Method	AAT/NAP
Start	3854	End	7176
GI	6721512	Score	80
Exons	3854..3912, 5153..5257, 7112..7176		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	38930	Seq. ID	OJ000125_22.0229.C3
Gene No.	80140	Strand	+
Start	86	End	824
Name	OJ000125_22.0229.C3.o1.gs	Method	GENSCAN
Start	86	End	824
GI	none	Score	.63
Exons	86..240, 713..824		

Seq. No.	38931	Seq. ID	OJ000125_22.0229.C5
Gene No.	80141	Strand	+
Start	318	End	466
Name	OJ000125_22.0229.C5.o1.gs	Method	GENSCAN
Start	318	End	466
GI	none	Score	.46
Exons	318..466		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80142	Strand	+
Start	2219	End	2694
Name	OJ000125_22.0229.C7.o1.np	Method	AAT/NAP
Start	2219	End	2694
GI	81755	Score	112
Exons	2219..2284, 2357..2416, 2448..2694		
GI Descrip.	33K hydroxyproline-rich glycoprotein - soybean (fragment)		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80143	Strand	+
Start	4757	End	13543
Name	OJ000125_22.0229.C7.o1.gp	Method	AAT/GAP
Start	4757	End	8481
GI	66853_1.R1084	Score	659
Exons	4757..4898, 5004..5097, 5280..5312, 8342..8481		
GI Descrip.	'3355471 2.0e-20 (AC004218) putative lysophospholipase [Arabidopsis thaliana]'		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80143	Strand	+
Start	4757	End	13543
Name	OJ000125_22.0229.C7.o2.np	Method	AAT/NAP
Start	7773	End	13543
GI	3738277	Score	590
Exons	7773..7851, 8336..8488, 12722..12852, 12958..13095, 13346..13543		
GI Descrip.	(AC005309) putative phospholipase [Arabidopsis thaliana]		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80143	Strand	+
Start	4757	End	13543
Name	OJ000125_22.0229.C7.o2.gs	Method	GENSCAN
Start	8284	End	8865
GI	none	Score	.89
Exons	8284..8488, 8747..8865		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80143	Strand	+
Start	4757	End	13543

Name	OJ000125_22.0229.C7.o3.gs	Method	GENSCAN
Start	11735	End	13443
GI	none	Score	.9
Exons	11735..11805, 12663..12852, 12958..13095, 13346..13443		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80144	Strand	-
Start	12352	End	13408
Name	OJ000125_22.0229.C7.o1.tm	Method	TBLASTX:Maize
Start	4877	End	13408
GI	none	Score	103
Exons	4877..4900, 4983..5069, 4983..5054, 5003..5059, 5036..5098, 5055..5099, 8340..8492, 8344..8487, 12720..12776, 12721..12777, 12721..12780, 12771..12851, 12772..12858, 12781..12867, 12955..13110, 12955..13098, 12957..13112, 13319..13408		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80144	Strand	-
Start	12352	End	13408
Name	OJ000125_22.0229.C7.o1.tw	Method	TBLASTX:Wheat
Start	8350	End	13098
GI	none	Score	130
Exons	8350..8502, 8350..8412, 8352..8477, 12747..12875, 12748..12870, 12955..13098, 12975..13091		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80144	Strand	-
Start	12352	End	13408
Name	OJ000125_22.0229.C7.o1.ts	Method	TBLASTX:Soybean
Start	8356	End	13050
GI	none	Score	169
Exons	8356..8499, 8358..8501, 12718..12858, 12720..12851, 12955..13050, 12957..13046		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80144	Strand	-
Start	12352	End	13408
Name	OJ000125_22.0229.C7.o2.gp	Method	AAT/GAP
Start	12352	End	12447
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	12352..12447		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38932	Seq. ID	OJ000125_22.0229.C7
Gene No.	80144	Strand	-
Start	12352	End	13408
Name	OJ000125_22.0229.C7.o1.tc	Method	TBLASTX:Cress
Start	12726	End	13101
GI	none	Score	200
Exons	12726..12851, 12727..12858, 12955..13101, 12957..13091		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80145	Strand	+
Start	1	End	337
Name	OJ000125_22.0229.C8.o1.np	Method	AAT/NAP

Start	1	End	184
GI	1931639	Score	122
Exons	1..184		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80145	Strand	+
Start	1	End	337
Name	OJ000125_22.0229.C8.o1.gs	Method	GENSCAN
Start	71	End	337
GI	none	Score	.99
Exons	71..337		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80146	Strand	+
Start	364	End	523
Name	OJ000125_22.0229.C8.o1.gp	Method	AAT/GAP
Start	364	End	523
GI	2796323	Score	284
Exons	364..523		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	337
GI	none	Score	46
Exons	1..30, 2..31, 2..70, 3..71, 37..207, 38..205, 224..337, 271..336		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o2.gp	Method	AAT/GAP
Start	512	End	1031
GI	28289_1.R1084	Score	1032
Exons	512..1031		
GI Descrip.	'2129578/pir||S58282 2.0e-11 dTDP-glucose 4-6-dehydratases homolog - Arabidopsis thaliana >gi_928932_emb_CAA89205_ (Z49239) homolog of dTDP-glucose 4-6-dehydratases [Arabidopsis thaliana] >gi_1585435_prf__2124427B diamide resistance gene [Arabidopsis thaliana]'		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o2.np	Method	AAT/NAP
Start	876	End	2313
GI	2129578	Score	742
Exons	876..1205, 1614..1688, 1790..1873, 1968..2060, 2246..2313		
GI Descrip.	dTDP-glucose 4-6-dehydratases homolog - Arabidopsis thaliana gi|928932|emb|CAA89205| (Z49239) homolog of dTDP-glucose 4-6-dehydratases [Arabidopsis thaliana] gi|1585435|prf||2124427B diamide resistance gene [Arabidopsis thaliana]		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313

Name	OJ000125_22.0229.C8.o1.tm	Method	TBLASTX:Maize
Start	885	End	2052
GI	none	Score	322
Exons	885..1205, 885..1205, 898..1206, 1153..1224, 1609..1692, 1610..1702, 1611..1703, 1790..1876, 1790..1873, 1813..1875, 1837..1878, 1957..2049, 1958..2050, 1965..2051, 1966..2052		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o1.tw	Method	TBLASTX:Wheat
Start	892	End	1671
GI	none	Score	411
Exons	892..1206, 897..1205, 906..1007, 1597..1671, 1611..1670		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o1.tc	Method	TBLASTX:Cress
Start	895	End	2052
GI	none	Score	224
Exons	895..1092, 902..1201, 903..1205, 903..1205, 925..1206, 1611..1703, 1612..1689, 1613..1690, 1790..1873, 1815..1874, 1965..2051, 1966..2052		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o1.ts	Method	TBLASTX:Soybean
Start	903	End	1894
GI	none	Score	159
Exons	903..1205, 915..1205, 925..1206, 1609..1692, 1610..1702, 1611..1703, 1612..1743, 1785..1889, 1790..1885, 1790..1894		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o2.gs	Method	GENSCAN
Start	915	End	1873
GI	none	Score	.99
Exons	915..1205, 1614..1688, 1790..1873		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o3.gp	Method	AAT/GAP
Start	1128	End	2050
GI	25387_1.R1084	Score	532
Exons	1128..1205, 1614..1688, 1790..1873, 1968..2050		
GI Descrip.	'3522929 6.0e-83 (AC002535) putative dTDP-glucose 4-6-dehydratase [Arabidopsis thaliana] >gi_3738279 (AC005309) putative dTDP-glucose 4-6-dehydratase [Arabidopsis thaliana]'		

Seq. No.	38933	Seq. ID	OJ000125_22.0229.C8
Gene No.	80147	Strand	-
Start	512	End	2313
Name	OJ000125_22.0229.C8.o2.tw	Method	TBLASTX:Wheat

Start	1788	End	2052
GI	none	Score	94
Exons	1788..1865, 1790..1879, 1790..1873, 1965..2051, 1987..2052		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80148	Strand	+
Start	540	End	914
Name	OJ000125_22.0229.C9.o1.gs	Method	GENSCAN
Start	540	End	914
GI	none	Score	.85
Exons	540..546, 817..914		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.gp	Method	AAT/GAP
Start	607	End	809
GI	25387_1.R1084	Score	246
Exons	607..809		
GI Descrip.	'3522929 6.0e-83 (AC002535) putative dTDP-glucose 4-6-dehydratase [Arabidopsis thaliana] >gi_3738279 (AC005309) putative dTDP-glucose 4-6-dehydratase [Arabidopsis thaliana]'		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.tc	Method	TBLASTX:Cress
Start	617	End	1739
GI	none	Score	198
Exons	617..775, 627..776, 1621..1737, 1623..1739, 1662..1739		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	617	End	1739
GI	none	Score	214
Exons	617..775, 621..776, 630..776, 1621..1737, 1623..1739, 1656..1739		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.tw	Method	TBLASTX:Wheat
Start	617	End	1739
GI	none	Score	145
Exons	617..775, 621..776, 723..776, 1621..1737, 1623..1739, 1668..1739		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.ts	Method	TBLASTX:Soybean
Start	617	End	779
GI	none	Score	169
Exons	617..778, 621..779		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-

Start	607	End	1739
Name	OJ000125_22.0229.C9.o1.np	Method	AAT/NAP
Start	620	End	1739
GI	2129578	Score	392
Exons	620..775, 1623..1739		
GI Descrip.	dTDP-glucose 4-6-dehydratases homolog - Arabidopsis thaliana gi|928932|emb|CAA89205| (Z49239) homolog of dTDP-glucose 4-6-dehydratases [Arabidopsis thaliana] gi|1585435|prf||2124427B diamide resistance gene [Arabidopsis thaliana]		

Seq. No.	38934	Seq. ID	OJ000125_22.0229.C9
Gene No.	80149	Strand	-
Start	607	End	1739
Name	OJ000125_22.0229.C9.o2.ts	Method	TBLASTX:Soybean
Start	1621	End	1739
GI	none	Score	119
Exons	1621..1737, 1623..1739		

Seq. No.	38935	Seq. ID	OJ000125_22.0229.C10
Gene No.	80150	Strand	-
Start	1	End	235
Name	OJ000125_22.0229.C10.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	2431145	Score	447
Exons	1..235		

Seq. No.	38935	Seq. ID	OJ000125_22.0229.C10
Gene No.	80151	Strand	-
Start	8402	End	8491
Name	OJ000125_22.0229.C10.o2.gp	Method	AAT/GAP
Start	8402	End	8491
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	8402..8491		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	38936	Seq. ID	OJ000125_22.0229.C11
Gene No.	80152	Strand	+
Start	47	End	5892
Name	OJ000125_22.0229.C11.o1.gs	Method	GENSCAN
Start	47	End	5892
GI	none	Score	.44
Exons	47..156, 5809..5892		

Seq. No.	38936	Seq. ID	OJ000125_22.0229.C11
Gene No.	80153	Strand	+
Start	6584	End	7347
Name	OJ000125_22.0229.C11.o1.np	Method	AAT/NAP
Start	6584	End	7347
GI	6721516	Score	447
Exons	6584..6832, 7247..7347		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38936	Seq. ID	OJ000125_22.0229.C11
Gene No.	80154	Strand	-
Start	6805	End	6922

Name	OJ000125_22.0229.C11.o2.gs	Method	GENSCAN
Start	6805	End	6922
GI	none	Score	.87
Exons	6805..6922		

Seq. No.	38937	Seq. ID	OJ000125_22.0229.C12
Gene No.	80155	Strand	+
Start	1	End	3637
Name	OJ000125_22.0229.C12.o1.np	Method	AAT/NAP
Start	1	End	3637
GI	6721516	Score	122
Exons	1..170, 3279..3387, 3581..3637		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38937	Seq. ID	OJ000125_22.0229.C12
Gene No.	80156	Strand	-
Start	7	End	3404
Name	OJ000125_22.0229.C12.o1.gs	Method	GENSCAN
Start	7	End	3404
GI	none	Score	.57
Exons	7..115, 1232..1411, 1763..1912, 1981..2489, 2657..2684, 3075..3131, 3304..3404		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80157	Strand	+
Start	120	End	652
Name	OJ000125_22.0229.C13.o1.gs	Method	GENSCAN
Start	120	End	652
GI	none	Score	.84
Exons	120..173, 392..562, 647..652		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80158	Strand	+
Start	2805	End	5449
Name	OJ000125_22.0229.C13.o3.np	Method	AAT/NAP
Start	2805	End	5449
GI	6721516	Score	523
Exons	2805..2969, 4549..4789, 5204..5449		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80159	Strand	+
Start	13517	End	14029
Name	OJ000125_22.0229.C13.o5.gs	Method	GENSCAN
Start	13517	End	14029
GI	none	Score	.84
Exons	13517..13783, 13856..14029		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o1.tm	Method	TBLASTX:Maize
Start	1027	End	1756
GI	none	Score	86
Exons	1027..1191, 1028..1756, 1080..1754		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13

Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.ts	Method	TBLASTX:Soybean
Start	1082	End	1747
GI	none	Score	72
Exons	1082..1330, 1155..1322, 1364..1735, 1364..1747, 1416..1742		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.gs	Method	GENSCAN
Start	1088	End	8818
GI	none	Score	.49
Exons	1088..1578, 1780..2116, 2419..3190, 3527..4329, 4813..4879, 5676..5754, 7825..7963, 8792..8818		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o1.np	Method	AAT/NAP
Start	1091	End	4850
GI	6630685	Score	2707
Exons	1091..3407, 4770..4850		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.np	Method	AAT/NAP
Start	1103	End	3383
GI	4006828	Score	458
Exons	1103..1404, 1797..2022, 3177..3383		
GI Descrip.	(AC005970) copia-like retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.tc	Method	TBLASTX:Cress
Start	1109	End	1567
GI	none	Score	74
Exons	1109..1354, 1161..1328, 1340..1474, 1478..1567		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o5.tw	Method	TBLASTX:Wheat
Start	1142	End	1474
GI	none	Score	102
Exons	1142..1330, 1349..1474		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.tw	Method	TBLASTX:Wheat
Start	1511	End	1942

GI	none	Score	96
Exons	1511..1768, 1781..1942		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o7.tm	Method	TBLASTX:Maize
Start	1757	End	1949
GI	none	Score	194
Exons	1757..1948, 1758..1949		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.tm	Method	TBLASTX:Maize
Start	1991	End	2430
GI	none	Score	113
Exons	1991..2173, 2000..2152, 2173..2430, 2174..2428, 2311..2430		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o1.ts	Method	TBLASTX:Soybean
Start	2118	End	2703
GI	5509260	Score	55
Exons	2118..2174, 2123..2173, 2171..2608, 2173..2703		
GI Descrip.	-		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o1.tw	Method	TBLASTX:Wheat
Start	2132	End	2559
GI	none	Score	238
Exons	2132..2173, 2168..2392, 2173..2451, 2174..2443, 2317..2445, 2452..2478, 2485..2559		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o3.tc	Method	TBLASTX:Cress
Start	2209	End	2482
GI	none	Score	38
Exons	2209..2481, 2225..2257, 2336..2482		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o6.tm	Method	TBLASTX:Maize
Start	2431	End	2718
GI	none	Score	63
Exons	2431..2481, 2432..2479, 2435..2698, 2470..2718		
Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o3.tm	Method	TBLASTX:Maize

Start	2719	End	3396
GI	none	Score	58
Exons	2719..2877, 2780..2881, 2890..3396, 2930..3394		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o3.tw	Method	TBLASTX:Wheat
Start	2815	End	3156
GI	none	Score	48
Exons	2815..2904, 2825..2878, 2919..3062, 2926..3063, 2926..3072, 3088..3156		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o3.ts	Method	TBLASTX:Soybean
Start	2938	End	3396
GI	none	Score	51
Exons	2938..3396, 3026..3142, 3188..3370		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.tc	Method	TBLASTX:Cress
Start	2941	End	3357
GI	none	Score	196
Exons	2941..3357		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.tw	Method	TBLASTX:Wheat
Start	3175	End	3339
GI	none	Score	94
Exons	3175..3339, 3178..3321, 3182..3325		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o6.ts	Method	TBLASTX:Soybean
Start	3739	End	4257
GI	none	Score	79
Exons	3739..4068, 4135..4257		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o6.tw	Method	TBLASTX:Wheat
Start	3835	End	4224
GI	none	Score	39
Exons	3835..4077, 3974..4063, 4090..4224, 4135..4218		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.np	Method	AAT/NAP

Start	8467	End	15173
GI	6069646	Score	635
Exons	8467..9218, 9508..9845, 11610..11706, 15112..15173		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o8.tm	Method	TBLASTX:Maize
Start	9165	End	9600
GI	none	Score	69
Exons	9165..9239, 9166..9231, 9230..9373, 9416..9523, 9508..9600		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o5.np	Method	AAT/NAP
Start	11116	End	12373
GI	4572673	Score	971
Exons	11116..12373		
GI Descrip.	(AC006954) putative sarcosine oxidase [Arabidopsis thaliana]		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o1.tc	Method	TBLASTX:Cress
Start	11150	End	11426
GI	none	Score	50
Exons	11150..11236, 11169..11237, 11243..11425, 11244..11306, 11270..11410, 11358..11426		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o3.gs	Method	GENSCAN
Start	11165	End	12409
GI	none	Score	.99
Exons	11165..12409		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.ts	Method	TBLASTX:Soybean
Start	11195	End	11644
GI	none	Score	116
Exons	11195..11422, 11270..11431, 11552..11605, 11556..11612, 11612..11644		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.tm	Method	TBLASTX:Maize
Start	11327	End	11981

GI	none	Score	134
Exons	11327..11455, 11327..11476, 11358..11477, 11552..11818, 11553..11816, 11672..11818, 11843..11941, 11876..11941, 11901..11948, 11939..11980, 11940..11981		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o5.ts	Method	TBLASTX:Soybean
Start	11810	End	12353
GI	none	Score	58
Exons	11810..11941, 11901..11948, 11939..11980, 11940..11978, 12038..12154, 12050..12235, 12204..12236, 12309..12353, 12311..12352		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o5.tm	Method	TBLASTX:Maize
Start	12023	End	12365
GI	none	Score	188
Exons	12023..12235, 12035..12172, 12036..12236, 12308..12364, 12309..12365		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o4.gs	Method	GENSCAN
Start	12590	End	12868
GI	none	Score	.61
Exons	12590..12868		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o2.gp	Method	AAT/GAP
Start	12652	End	12906
GI	1339_1.R1084	Score	407
Exons	12652..12906		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	38938	Seq. ID	OJ000125_22.0229.C13
Gene No.	80160	Strand	-
Start	1088	End	15173
Name	OJ000125_22.0229.C13.o6.gs	Method	GENSCAN
Start	14424	End	14780
GI	none	Score	.65
Exons	14424..14561, 14644..14780		

Seq. No.	38939	Seq. ID	OJ000125_22.0229.C14
Gene No.	80161	Strand	+
Start	1055	End	2391
Name	OJ000125_22.0229.C14.o2.gs	Method	GENSCAN
Start	1055	End	2391
GI	none	Score	.96
Exons	1055..1332, 1803..2391		

Seq. No.	38939	Seq. ID	OJ000125_22.0229.C14
Gene No.	80162	Strand	-
Start	1	End	838
Name	OJ000125_22.0229.C14.o1.np	Method	AAT/NAP
Start	1	End	829
GI	130582	Score	457
Exons	1..829		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	38939	Seq. ID	OJ000125_22.0229.C14
Gene No.	80162	Strand	-
Start	1	End	838
Name	OJ000125_22.0229.C14.o1.gs	Method	GENSCAN
Start	15	End	838
GI	none	Score	.85
Exons	15..838		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80163	Strand	+
Start	1322	End	1501
Name	OJ000125_22.0229.C15.o1.gs	Method	GENSCAN
Start	1322	End	1501
GI	none	Score	.55
Exons	1322..1501		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80164	Strand	+
Start	1736	End	12814
Name	OJ000125_22.0229.C15.o2.gs	Method	GENSCAN
Start	1736	End	7627
GI	none	Score	.81
Exons	1736..1828, 1900..2007, 3236..3382, 3388..3582, 4310..4358, 4763..4854, 5969..6043, 6128..6233, 6315..6488, 6874..6923, 7303..7359, 7484..7627		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80164	Strand	+
Start	1736	End	12814
Name	OJ000125_22.0229.C15.o1.np	Method	AAT/NAP
Start	4768	End	12814
GI	3929368	Score	525
Exons	4768..4854, 5626..5691, 5969..6043, 6128..6233, 6315..6361, 6431..6488, 6874..6923, 7303..7359, 7484..7555, 8605..8667, 12083..12235, 12768..12814		
GI Descrip.	PRE-MRNA SPLICING FACTOR SF2 (SR1 PROTEIN) gi|2443472 (AF001035) ASF/SF2 homolog [Arabidopsis thaliana] gi|6056417|gb|AAF02881.1|AC009525_15 (AC009525) alternative splicing factor SF2a [Arabidopsis thaliana]		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80164	Strand	+
Start	1736	End	12814
Name	OJ000125_22.0229.C15.o1.gp	Method	AAT/GAP

Start	8005	End	9049
GI	none	Score	746
Exons	8005..8070, 8479..8512, 8605..8667, 8798..9049		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80164	Strand	+
Start	1736	End	12814
Name	OJ000125_22.0229.C15.o4.gs	Method	GENSCAN
Start	11277	End	12642
GI	none	Score	.67
Exons	11277..11409, 11757..11817, 11902..12200, 12410..12642		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80165	Strand	+
Start	14852	End	16856
Name	OJ000125_22.0229.C15.o6.gs	Method	GENSCAN
Start	14852	End	15476
GI	none	Score	.66
Exons	14852..14964, 15118..15256, 15339..15476		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80165	Strand	+
Start	14852	End	16856
Name	OJ000125_22.0229.C15.o2.gp	Method	AAT/GAP
Start	15204	End	16856
GI	16208_1.R1084	Score	1076
Exons	15204..15256, 15339..15487, 16469..16856		
GI Descrip.	'4733953/gb|AC006193.3|AC006193 1.0e-11 Arabidopsis thaliana chromosome I BAC F13O11 genomic sequence, complete sequence'		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80165	Strand	+
Start	14852	End	16856
Name	OJ000125_22.0229.C15.o2.np	Method	AAT/NAP
Start	15391	End	16599
GI	6815105	Score	286
Exons	15391..15509, 16418..16599		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80165	Strand	+
Start	14852	End	16856
Name	OJ000125_22.0229.C15.o7.gs	Method	GENSCAN
Start	15905	End	16599
GI	none	Score	.89
Exons	15905..15980, 16098..16244, 16469..16599		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80166	Strand	+
Start	18639	End	18876
Name	OJ000125_22.0229.C15.o3.gp	Method	AAT/GAP
Start	18639	End	18876
GI	none	Score	421
Exons	18639..18876		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80167	Strand	+

Start	20996	End	26016
Name	OJ000125_22.0229.C15.o9.gs	Method	GENSCAN
Start	20996	End	26016
GI	none	Score	.67
Exons	20996..21311, 21467..21535, 22216..22554, 22665..22727, 24047..24537, 25348..26016		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80167	Strand	+
Start	20996	End	26016
Name	OJ000125_22.0229.C15.o4.gp	Method	AAT/GAP
Start	22306	End	22727
GI	568329	Score	608
Exons	22306..22554, 22665..22727		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80168	Strand	-
Start	8624	End	10481
Name	OJ000125_22.0229.C15.o3.gs	Method	GENSCAN
Start	8624	End	10481
GI	none	Score	.7
Exons	8624..8713, 10060..10140, 10461..10481		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80169	Strand	-
Start	12864	End	14004
Name	OJ000125_22.0229.C15.o5.gs	Method	GENSCAN
Start	12864	End	14004
GI	none	Score	.87
Exons	12864..13030, 13035..13126, 13841..14004		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80170	Strand	-
Start	25788	End	26264
Name	OJ000125_22.0229.C15.o1.ts	Method	TBLASTX:Soybean
Start	4753	End	7371
GI	none	Score	137
Exons	4753..4854, 5614..5688, 5625..5687, 5954..6046, 5954..6046, 6126..6209, 6127..6204, 6298..6363, 6305..6361, 6425..6490, 6436..6489, 6876..6926, 7290..7361, 7303..7371		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80170	Strand	-
Start	25788	End	26264
Name	OJ000125_22.0229.C15.o1.tm	Method	TBLASTX:Maize
Start	4762	End	6489
GI	none	Score	156
Exons	4762..4854, 4763..4852, 5614..5688, 5625..5687, 5954..6046, 5960..6043, 6123..6224, 6127..6225, 6298..6363, 6305..6361, 6315..6371, 6425..6487, 6430..6489, 6430..6486		

Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80170	Strand	-
Start	25788	End	26264
Name	OJ000125_22.0229.C15.o2.tm	Method	TBLASTX:Maize
Start	7799	End	8066
GI	none	Score	35

Exons	7799..7858, 7814..7858, 7815..7859, 7869..7943, 7869..7943, 7874..7951, 7874..7954, 7974..8063, 7977..8066, 7978..8064, 7979..8065		
Seq. No.	38940	Seq. ID	OJ000125_22.0229.C15
Gene No.	80170	Strand	-
Start	25788	End	26264
Name	OJ000125_22.0229.C15.o5.gp	Method	AAT/GAP
Start	25788	End	26264
GI	none	Score	839
Exons	25788..26264		
Seq. No.	38941	Seq. ID	OJ000125_15.0222.C3
Gene No.	80171	Strand	-
Start	917	End	1514
Name	OJ000125_15.0222.C3.o1.gp	Method	AAT/GAP
Start	917	End	1514
GI	22888_1.R1084	Score	939
Exons	917..1404, 1492..1514		
GI Descrip.	'6056374/gb|AAF02838.1|AC009894_9 3.0e-24 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	38941	Seq. ID	OJ000125_15.0222.C3
Gene No.	80171	Strand	-
Start	917	End	1514
Name	OJ000125_15.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	1176	End	1395
GI	none	Score	81
Exons	1176..1301, 1180..1395, 1184..1393		
Seq. No.	38941	Seq. ID	OJ000125_15.0222.C3
Gene No.	80171	Strand	-
Start	917	End	1514
Name	OJ000125_15.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	1180	End	1419
GI	none	Score	80
Exons	1180..1404, 1183..1419		
Seq. No.	38941	Seq. ID	OJ000125_15.0222.C3
Gene No.	80171	Strand	-
Start	917	End	1514
Name	OJ000125_15.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	1204	End	1407
GI	none	Score	142
Exons	1204..1407, 1205..1393, 1216..1407		
Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	660
GI	none	Score	152
Exons	1..171, 2..172, 3..173, 3..176, 31..180, 95..181, 298..420, 299..418, 306..425, 524..616, 616..660		
Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	

Start	1	End	1810
Name	OJ000125_15.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	418
GI	none	Score	181
Exons	1..171, 3..176, 299..418, 306..395		

Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	6	End	1810
GI	none	Score	82
Exons	6..176, 25..171, 299..385, 739..768, 769..876, 988..1185, 1225..1302, 1748..1810		

Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o2.ts	Method	TBLASTX:Soybean
Start	733	End	1182
GI	none	Score	158
Exons	733..768, 769..861, 841..957, 1018..1182		

Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o4.tm	Method	TBLASTX:Maize
Start	778	End	957
GI	none	Score	118
Exons	778..957, 785..955		

Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o2.tm	Method	TBLASTX:Maize
Start	1012	End	1224
GI	none	Score	98
Exons	1012..1224, 1013..1108, 1017..1187, 1018..1218		

Seq. No.	38942	Seq. ID	OJ000125_15.0222.C4
Gene No.	80172	Strand	
Start	1	End	1810
Name	OJ000125_15.0222.C4.o3.tm	Method	TBLASTX:Maize
Start	1231	End	1546
GI	none	Score	83
Exons	1231..1383, 1232..1375, 1478..1546, 1482..1544		

Seq. No.	38943	Seq. ID	OJ000125_15.0222.C6
Gene No.	80173	Strand	-
Start	7685	End	8578
Name	OJ000125_15.0222.C6.o1.gp	Method	AAT/GAP
Start	7685	End	8578
GI	4107138	Score	1484
Exons	7685..8578		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	38944	Seq. ID	OJ000125_15.0222.C11
Gene No.	80174	Strand	
Start	13	End	737
Name	OJ000125_15.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	13	End	225
GI	none	Score	245
Exons	13..177, 14..196, 180..224, 181..225		

Seq. No.	38944	Seq. ID	OJ000125_15.0222.C11
Gene No.	80174	Strand	
Start	13	End	737
Name	OJ000125_15.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	47	End	663
GI	none	Score	147
Exons	47..211, 49..183, 180..566, 181..663, 181..393, 183..560, 421..630		

Seq. No.	38944	Seq. ID	OJ000125_15.0222.C11
Gene No.	80174	Strand	
Start	13	End	737
Name	OJ000125_15.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	226	End	737
GI	none	Score	230
Exons	226..387, 234..389, 234..371, 385..663, 399..668, 498..683, 651..737		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80175	Strand	+
Start	6833	End	7175
Name	OJ000125_15.0222.C12.o2.gp	Method	AAT/GAP
Start	6833	End	7175
GI	uC-osroM202024h08a1	Score	83
Exons	6833..6903, 7153..7175		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80176	Strand	-
Start	4035	End	4101
Name	OJ000125_15.0222.C12.o1.gp	Method	AAT/GAP
Start	4035	End	4101
GI	uC-osroM202024h08a1	Score	81
Exons	4035..4101		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o4.tw	Method	TBLASTX:Wheat
Start	2	End	214
GI	none	Score	133
Exons	2..214, 15..161		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395

Name	OJ000125_15.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	8	End	12395
GI	none	Score	370
Exons	8..136, 11955..12395, 12008..12394		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	11	End	12206
GI	none	Score	57
Exons	11..250, 11811..11843, 11811..11843, 11847..11900, 11848..11991, 11952..12149, 11955..12206, 11966..12196		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	254	End	11870
GI	none	Score	523
Exons	254..424, 418..546, 11384..11677, 11388..11870, 11499..11828		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	299	End	11765
GI	none	Score	65
Exons	299..427, 300..428, 395..643, 409..642, 11520..11765		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o2.ts	Method	TBLASTX:Soybean
Start	448	End	11738
GI	none	Score	197
Exons	448..531, 11424..11738		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o9.tw	Method	TBLASTX:Wheat
Start	547	End	774
GI	none	Score	180
Exons	547..774		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o5.tw	Method	TBLASTX:Wheat
Start	976	End	1335
GI	none	Score	89
Exons	976..1197, 977..1198, 1204..1335		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395

Name	OJ000125_15.0222.C12.o8.tw	Method	TBLASTX:Wheat
Start	2180	End	2554
GI	none	Score	57
Exons	2180..2554, 2199..2405		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o5.tm	Method	TBLASTX:Maize
Start	2267	End	2536
GI	none	Score	69
Exons	2267..2536, 2268..2405		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o3.gp	Method	AAT/GAP
Start	7040	End	7562
GI	uC-osf1M202048c12b1	Score	835
Exons	7040..7562		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o7.tw	Method	TBLASTX:Wheat
Start	9969	End	10151
GI	none	Score	196
Exons	9969..10151, 9971..10150		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o3.tm	Method	TBLASTX:Maize
Start	10203	End	10502
GI	none	Score	245
Exons	10203..10502, 10229..10333, 10321..10359, 10421..10501		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o3.tw	Method	TBLASTX:Wheat
Start	10203	End	10547
GI	none	Score	323
Exons	10203..10547, 10229..10333		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o4.tm	Method	TBLASTX:Maize
Start	10848	End	11168
GI	none	Score	190
Exons	10848..11168		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-

Start	7040	End	12395
Name	OJ000125_15.0222.C12.o6.tw	Method	TBLASTX:Wheat
Start	10902	End	11249
GI	none	Score	232
Exons	10902..11249, 11081..11212		

Seq. No.	38945	Seq. ID	OJ000125_15.0222.C12
Gene No.	80177	Strand	-
Start	7040	End	12395
Name	OJ000125_15.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	11946	End	12320
GI	none	Score	480
Exons	11946..12317, 11958..12320, 11966..12319		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o7.tw	Method	TBLASTX:Wheat
Start	8	End	6196
GI	none	Score	58
Exons	8..97, 13..78, 72..125, 189..380, 214..330, 5759..5800, 5828..5941, 5829..5942, 5987..6196, 5988..6140		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o7.tm	Method	TBLASTX:Maize
Start	72	End	6232
GI	none	Score	186
Exons	72..383, 5879..6232		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o6.tw	Method	TBLASTX:Wheat
Start	663	End	1013
GI	none	Score	313
Exons	663..1013		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o6.tm	Method	TBLASTX:Maize
Start	708	End	1013
GI	none	Score	44
Exons	708..1013, 857..934, 907..987		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o8.tw	Method	TBLASTX:Wheat
Start	1065	End	1263
GI	none	Score	58
Exons	1065..1259, 1065..1262, 1066..1263		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	

Start	8	End	6232
Name	OJ000125_15.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	3182	End	3646
GI	none	Score	219
Exons	3182..3487, 3183..3488, 3485..3646, 3492..3638, 3494..3643		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	3200	End	3826
GI	none	Score	280
Exons	3200..3826, 3201..3770		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o4.tm	Method	TBLASTX:Maize
Start	3695	End	3987
GI	none	Score	208
Exons	3695..3985, 3699..3986, 3826..3987		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o2.ts	Method	TBLASTX:Soybean
Start	3785	End	4045
GI	none	Score	148
Exons	3785..4045, 3786..4040		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	3809	End	4126
GI	none	Score	85
Exons	3809..3952, 3810..3950, 3953..4126		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o2.tw	Method	TBLASTX:Wheat
Start	3833	End	4397
GI	none	Score	335
Exons	3833..4396, 3834..4397		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	4391	End	4754
GI	none	Score	176
Exons	4391..4753, 4400..4753, 4404..4754		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232

Name	OJ000125_15.0222.C15.o3.tw	Method	TBLASTX:Wheat
Start	4400	End	4825
GI	none	Score	347
Exons	4400..4825, 4404..4793		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o3.ts	Method	TBLASTX:Soybean
Start	4574	End	4819
GI	none	Score	66
Exons	4574..4819, 4674..4802		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o3.tm	Method	TBLASTX:Maize
Start	4790	End	5290
GI	none	Score	50
Exons	4790..5104, 4833..4883, 4911..4964, 5111..5290, 5163..5282		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o5.tw	Method	TBLASTX:Wheat
Start	4826	End	5128
GI	none	Score	265
Exons	4826..5128, 4842..5126, 5020..5127		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	4841	End	5236
GI	none	Score	197
Exons	4841..5200, 4842..5132, 5163..5198, 5204..5236, 5205..5234		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o4.tw	Method	TBLASTX:Wheat
Start	5177	End	5659
GI	none	Score	217
Exons	5177..5554, 5220..5555, 5609..5659		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o2.tc	Method	TBLASTX:Cress
Start	5213	End	5530
GI	none	Score	180
Exons	5213..5530		

Seq. No.	38946	Seq. ID	OJ000125_15.0222.C15
Gene No.	80178	Strand	
Start	8	End	6232
Name	OJ000125_15.0222.C15.o5.tm	Method	TBLASTX:Maize

Start	5358	End	5647
GI	none	Score	134
Exons	5358..5549, 5360..5551, 5360..5647		

Seq. No.	38947	Seq. ID	OJ000125_15.0222.C16
Gene No.	80179	Strand	+
Start	4672	End	5044
Name	OJ000125_15.0222.C16.o1.gp	Method	AAT/GAP
Start	4672	End	5044
GI	uC-osflcyp033a04b1	Score	512
Exons	4672..5044		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38947	Seq. ID	OJ000125_15.0222.C16
Gene No.	80180	Strand	-
Start	8190	End	8573
Name	OJ000125_15.0222.C16.o3.gp	Method	AAT/GAP
Start	8190	End	8573
GI	uC-osflcyp033a04b1	Score	701
Exons	8190..8573		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38947	Seq. ID	OJ000125_15.0222.C16
Gene No.	80181	Strand	-
Start	10802	End	11184
Name	OJ000125_15.0222.C16.o5.gp	Method	AAT/GAP
Start	10802	End	11184
GI	uC-osflcyp033a04b1	Score	676
Exons	10802..11184		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o2.tw	Method	TBLASTX:Wheat
Start	48	End	552
GI	none	Score	595
Exons	48..551, 194..547, 406..552		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	249	End	575
GI	none	Score	90
Exons	249..431, 432..575, 443..574		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	339	End	599
GI	none	Score	295
Exons	339..599, 350..598		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	398	End	689
GI	none	Score	405
Exons	398..685, 399..689		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	558	End	1184
GI	none	Score	735
Exons	558..1184, 614..1063		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	737	End	1321
GI	none	Score	232
Exons	737..892, 738..899, 896..1060, 897..1244, 1175..1237, 1244..1321, 1246..1320		

Seq. No.	38948	Seq. ID	OJ000125_15.0222.C19
Gene No.	80182	Strand	+
Start	3458	End	3840
Name	OJ000125_15.0222.C19.o1.gp	Method	AAT/GAP
Start	3458	End	3840
GI	uC-osflcyp033a04b1	Score	688
Exons	3458..3840		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80183	Strand	
Start	5828	End	6026
Name	OJ000125_15.0222.C20.o4.tw	Method	TBLASTX:Wheat
Start	5828	End	6026
GI	none	Score	202
Exons	5828..6025, 5829..6026		

Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80184	Strand	
Start	6078	End	6428
Name	OJ000125_15.0222.C20.o2.tm	Method	TBLASTX:Maize
Start	6078	End	6416
GI	none	Score	253
Exons	6078..6416		

Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80184	Strand	
Start	6078	End	6428
Name	OJ000125_15.0222.C20.o2.tw	Method	TBLASTX:Wheat
Start	6078	End	6428

GI	none	Score	312
Exons	6078..6428, 6168..6272		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80185	Strand	
Start	6762	End	7115
Name	OJ000125_15.0222.C20.o3.tw	Method	TBLASTX:Wheat
Start	6762	End	7115
GI	none	Score	251
Exons	6762..7115, 6852..7040		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80186	Strand	
Start	7119	End	7310
Name	OJ000125_15.0222.C20.o3.tm	Method	TBLASTX:Maize
Start	7119	End	7310
GI	none	Score	188
Exons	7119..7310, 7157..7264		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80187	Strand	
Start	7247	End	7760
Name	OJ000125_15.0222.C20.o1.tw	Method	TBLASTX:Wheat
Start	7247	End	7731
GI	none	Score	535
Exons	7247..7687, 7248..7730, 7357..7731		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80187	Strand	
Start	7247	End	7760
Name	OJ000125_15.0222.C20.o2.ts	Method	TBLASTX:Soybean
Start	7284	End	7598
GI	none	Score	198
Exons	7284..7598		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80187	Strand	
Start	7247	End	7760
Name	OJ000125_15.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	7313	End	7760
GI	none	Score	373
Exons	7313..7555, 7317..7760		
Seq. No.	38949	Seq. ID	OJ000125_15.0222.C20
Gene No.	80188	Strand	
Start	7671	End	7937
Name	OJ000125_15.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	7671	End	7937
GI	none	Score	57
Exons	7671..7703, 7672..7704, 7673..7702, 7707..7760, 7715..7870, 7725..7850, 7815..7937, 7823..7936		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o6.tw	Method	TBLASTX:Wheat
Start	1	End	120

GI	none	Score	176
Exons	1..120, 3..119		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o1.ts	Method	TBLASTX:Soybean
Start	13	End	408
GI	none	Score	49
Exons	13..45, 13..45, 49..408, 51..92, 165..398		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o4.tm	Method	TBLASTX:Maize
Start	34	End	294
GI	none	Score	218
Exons	34..294, 34..129, 162..260		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o4.tw	Method	TBLASTX:Wheat
Start	121	End	390
GI	none	Score	376
Exons	121..390, 121..378, 162..389		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o2.tm	Method	TBLASTX:Maize
Start	304	End	744
GI	none	Score	436
Exons	304..711, 357..680, 508..696, 703..744		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o3.tw	Method	TBLASTX:Wheat
Start	393	End	809
GI	none	Score	573
Exons	393..791, 394..807, 472..807, 552..809, 599..808		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80189	Strand	
Start	1	End	809
Name	OJ000125_15.0222.C21.o3.ts	Method	TBLASTX:Soybean
Start	430	End	678
GI	none	Score	207
Exons	430..678		

Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o2.tw	Method	TBLASTX:Wheat
Start	876	End	1415
GI	none	Score	629

Exons	876..1415, 1058..1411		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o1.tc	Method	TBLASTX:Cress
Start	1113	End	1439
GI	none	Score	92
Exons	1113..1295, 1296..1439, 1298..1438		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o2.ts	Method	TBLASTX:Soybean
Start	1203	End	1463
GI	none	Score	301
Exons	1203..1463, 1214..1462		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o3.tm	Method	TBLASTX:Maize
Start	1261	End	1553
GI	none	Score	405
Exons	1261..1548, 1262..1549, 1263..1553		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o1.tw	Method	TBLASTX:Wheat
Start	1422	End	2048
GI	none	Score	715
Exons	1422..2048, 1478..1927, 1988..2047		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o1.tm	Method	TBLASTX:Maize
Start	1601	End	2186
GI	none	Score	229
Exons	1601..1747, 1602..1763, 1622..1765, 1666..1752, 1761..2186, 1775..1924, 1988..2185		
Seq. No.	38950	Seq. ID	OJ000125_15.0222.C21
Gene No.	80190	Strand	
Start	876	End	2381
Name	OJ000125_15.0222.C21.o5.tw	Method	TBLASTX:Wheat
Start	2048	End	2381
GI	none	Score	309
Exons	2048..2263, 2049..2381, 2199..2330		
Seq. No.	38951	Seq. ID	OJ000125_15.0222.C22
Gene No.	80191	Strand	-
Start	2541	End	2922
Name	OJ000125_15.0222.C22.o1.gp	Method	AAT/GAP
Start	2541	End	2922
GI	uC-osflcyp033a04b1	Score	651

Exons	2541..2922		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80192	Strand	
Start	153	End	673
Name	OJ000125_15.0222.C24.o2.tm	Method	TBLASTX:Maize
Start	153	End	643
GI	none	Score	181
Exons	153..350, 155..349, 347..643, 348..635, 350..643		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80192	Strand	
Start	153	End	673
Name	OJ000125_15.0222.C24.o4.tw	Method	TBLASTX:Wheat
Start	212	End	643
GI	none	Score	102
Exons	212..469, 482..643		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80192	Strand	
Start	153	End	673
Name	OJ000125_15.0222.C24.o3.ts	Method	TBLASTX:Soybean
Start	263	End	673
GI	none	Score	93
Exons	263..673, 288..665		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80193	Strand	
Start	691	End	1462
Name	OJ000125_15.0222.C24.o3.tm	Method	TBLASTX:Maize
Start	691	End	1159
GI	none	Score	367
Exons	691..909, 692..1159, 693..1157, 1040..1159		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80193	Strand	
Start	691	End	1462
Name	OJ000125_15.0222.C24.o1.ts	Method	TBLASTX:Soybean
Start	819	End	1432
GI	5509260	Score	389
Exons	819..1307, 819..1082, 824..1432, 827..1339		
GI Descrip.	-		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80193	Strand	
Start	691	End	1462
Name	OJ000125_15.0222.C24.o2.tw	Method	TBLASTX:Wheat
Start	827	End	1303
GI	none	Score	89
Exons	827..1003, 833..1180, 834..1172, 837..1190, 925..1173, 1046..1174, 1181..1207, 1214..1303		
Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80193	Strand	
Start	691	End	1462

Name	OJ000125_15.0222.C24.o2.tc	Method	TBLASTX:Cress
Start	938	End	1211
GI	none	Score	88
Exons	938..1210, 1065..1211		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80193	Strand	
Start	691	End	1462
Name	OJ000125_15.0222.C24.o5.tm	Method	TBLASTX:Maize
Start	1160	End	1462
GI	none	Score	63
Exons	1160..1210, 1161..1208, 1164..1427, 1199..1462		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	
Start	1508	End	2705
Name	OJ000125_15.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	1508	End	2308
GI	none	Score	54
Exons	1508..1603, 1509..1598, 1520..1558, 1619..2185, 1619..2236, 1659..2237, 2235..2282, 2236..2301, 2237..2308		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	
Start	1508	End	2705
Name	OJ000125_15.0222.C24.o5.tw	Method	TBLASTX:Wheat
Start	1544	End	1885
GI	none	Score	44
Exons	1544..1633, 1554..1604, 1648..1791, 1655..1792, 1655..1801, 1817..1885		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	
Start	1508	End	2705
Name	OJ000125_15.0222.C24.o2.ts	Method	TBLASTX:Soybean
Start	1667	End	2128
GI	none	Score	175
Exons	1667..2128, 1719..2099		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	
Start	1508	End	2705
Name	OJ000125_15.0222.C24.o1.tc	Method	TBLASTX:Cress
Start	1670	End	2086
GI	none	Score	198
Exons	1670..2086		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	
Start	1508	End	2705
Name	OJ000125_15.0222.C24.o1.tw	Method	TBLASTX:Wheat
Start	1970	End	2543
GI	none	Score	140
Exons	1970..2257, 1979..2257, 2297..2542, 2313..2543		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80194	Strand	

Start	1508	End	2705
Name	OJ000125_15.0222.C24.o4.tm	Method	TBLASTX:Maize
Start	2313	End	2705
GI	none	Score	177
Exons	2313..2585, 2315..2581, 2364..2585, 2380..2586, 2574..2705, 2576..2704		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80195	Strand	
Start	2615	End	3068
Name	OJ000125_15.0222.C24.o3.tw	Method	TBLASTX:Wheat
Start	2615	End	2932
GI	none	Score	104
Exons	2615..2932, 2697..2918		

Seq. No.	38952	Seq. ID	OJ000125_15.0222.C24
Gene No.	80195	Strand	
Start	2615	End	3068
Name	OJ000125_15.0222.C24.o6.tm	Method	TBLASTX:Maize
Start	2708	End	3068
GI	none	Score	127
Exons	2708..2947, 2715..2939, 2974..3066, 2976..3068		

Seq. No.	38953	Seq. ID	OJ000125_15.0222.C25
Gene No.	80196	Strand	+
Start	6365	End	6789
Name	OJ000125_15.0222.C25.o2.gp	Method	AAT/GAP
Start	6365	End	6789
GI	uC-osflM202048c12b1	Score	686
Exons	6365..6789		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38953	Seq. ID	OJ000125_15.0222.C25
Gene No.	80197	Strand	-
Start	6365	End	6785
Name	OJ000125_15.0222.C25.o1.gp	Method	AAT/GAP
Start	6365	End	6785
GI	uC-osflM202048c12b1	Score	685
Exons	6365..6785		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	38954	Seq. ID	OJ000125_15.0222.C26
Gene No.	80198	Strand	-
Start	1	End	150
Name	OJ000125_15.0222.C26.o1.gp	Method	AAT/GAP
Start	1	End	150
GI	uC-osflcyp033a04b1	Score	279
Exons	1..150		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38955	Seq. ID	OJ000125_15.0222.C28
Gene No.	80199	Strand	+
Start	386	End	745
Name	OJ000125_15.0222.C28.o1.gp	Method	AAT/GAP

Start	386	End	745
GI	none	Score	403
Exons	386..438, 500..745		

Seq. No.	38956	Seq. ID	OJ991112_01.0403.C2
Gene No.	80200	Strand	-
Start	574	End	891
Name	OJ991112_01.0403.C2.o1.np	Method	AAT/NAP
Start	574	End	891
GI	5777617	Score	71
Exons	574..683, 851..891		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	38957	Seq. ID	OJ991112_01.0403.C6
Gene No.	80201	Strand	+
Start	691	End	1096
Name	OJ991112_01.0403.C6.o1.gp	Method	AAT/GAP
Start	691	End	1096
GI	25528_1.R1084	Score	747
Exons	691..1096		
GI Descrip.	'3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	38957	Seq. ID	OJ991112_01.0403.C6
Gene No.	80202	Strand	-
Start	696	End	848
Name	OJ991112_01.0403.C6.o1.gs	Method	GENSCAN
Start	696	End	848
GI	none	Score	.71
Exons	696..848		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80203	Strand	+
Start	1	End	2215
Name	OJ991112_01.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	2215
GI	7484940	Score	800
Exons	1..137, 272..317, 1006..1140, 1280..1369, 1467..1595, 1701..1784, 1885..1949, 2029..2215		
GI Descrip.	dolichyl-phosphate beta-glucosyltransferase homolog F12L6.29 - Arabidopsis thaliana gi|6598395|gb|AAF18606.1|AC003674_1 (AC003674) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80203	Strand	+
Start	1	End	2215
Name	OJ991112_01.0403.C7.o1.gs	Method	GENSCAN
Start	272	End	2215
GI	none	Score	.61
Exons	272..317, 1006..1140, 1467..1595, 1701..1784, 1885..1949, 2029..2215		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80203	Strand	+
Start	1	End	2215
Name	OJ991112_01.0403.C7.o1.gp	Method	AAT/GAP

Start	1436	End	2193
GI	2280586	Score	792
Exons	1436..1595, 1701..1784, 1885..1949, 2029..2193		
GI Descrip.	3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80204	Strand	+
Start	2493	End	5633
Name	OJ991112_01.0403.C7.o4.np	Method	AAT/NAP
Start	2493	End	5630
GI	7485066	Score	990
Exons	2493..2523, 4311..5630		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244839|emb|CAB10261.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268228|emb|CAB78524.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80204	Strand	+
Start	2493	End	5633
Name	OJ991112_01.0403.C7.o2.np	Method	AAT/NAP
Start	2650	End	4652
GI	4588012	Score	74
Exons	2650..2807, 2939..3028, 4518..4652		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80204	Strand	+
Start	2493	End	5633
Name	OJ991112_01.0403.C7.o3.np	Method	AAT/NAP
Start	3392	End	3491
GI	6983864	Score	95
Exons	3392..3491		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80204	Strand	+
Start	2493	End	5633
Name	OJ991112_01.0403.C7.o2.gs	Method	GENSCAN
Start	3825	End	5633
GI	none	Score	.98
Exons	3825..5633		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80205	Strand	+
Start	10753	End	11211
Name	OJ991112_01.0403.C7.o2.gp	Method	AAT/GAP
Start	10753	End	11211
GI	45273_1.R1084	Score	838
Exons	10753..11211		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80206	Strand	+
Start	13856	End	22730

Name	OJ991112_01.0403.C7.o4.gs	Method	GENSCAN
Start	13856	End	22717
GI	none	Score	.6
Exons	13856..13992, 14713..14769, 17724..17836, 18564..18783, 19272..19404, 19557..19622, 19732..20085, 21013..21205, 22458..22717		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80206	Strand	+
Start	13856	End	22730
Name	OJ991112_01.0403.C7.o5.gp	Method	AAT/GAP
Start	22346	End	22601
GI	none	Score	301
Exons	22346..22601		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80206	Strand	+
Start	13856	End	22730
Name	OJ991112_01.0403.C7.o7.np	Method	AAT/NAP
Start	22460	End	22730
GI	3927836	Score	101
Exons	22460..22602, 22633..22730		
GI Descrip.	(AC005727) unknown protein [Arabidopsis thaliana]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80207	Strand	+
Start	22657	End	22730
Name	OJ991112_01.0403.C7.o6.gp	Method	AAT/GAP
Start	22657	End	22730
GI	uC-osroM202019h06a1	Score	136
Exons	22657..22730		
GI Descrip.	'3927836 3.0e-16 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	30	End	2077
GI	none	Score	156
Exons	30..137, 31..135, 966..1145, 1003..1140, 1263..1370, 1277..1372, 1280..1372, 1464..1595, 1465..1584, 1524..1595, 1700..1792, 1701..1787, 1701..1817, 1863..1952, 1882..1950, 1884..1958, 1885..1953, 2018..2077, 2026..2076		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o6.ts	Method	TBLASTX:Soybean
Start	85	End	1318
GI	none	Score	71
Exons	85..135, 1003..1140, 1003..1140, 1005..1148, 1271..1318		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o2.tc	Method	TBLASTX:Cress

Start	1527	End	2209
GI	none	Score	77
Exons	1527..1595, 1554..1595, 1697..1783, 1698..1808, 1700..1792, 1875..1958, 1885..1953, 2019..2132, 2025..2141, 2026..2205, 2026..2205, 2027..2209		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o4.ts	Method	TBLASTX:Soybean
Start	1875	End	2185
GI	none	Score	110
Exons	1875..1958, 1885..1953, 2017..2181, 2018..2185		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o3.tc	Method	TBLASTX:Cress
Start	4134	End	4913
GI	none	Score	63
Exons	4134..4238, 4257..4340, 4335..4793, 4374..4502, 4380..4580, 4503..4805, 4608..4874, 4623..4805, 4628..4789, 4680..4853, 4797..4913, 4852..4884		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	4355	End	4939
GI	none	Score	115
Exons	4355..4534, 4356..4547, 4464..4937, 4478..4579, 4482..4724, 4616..4939, 4758..4874		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	4355	End	5357
GI	none	Score	98
Exons	4355..4531, 4356..4556, 4358..4519, 4362..4520, 4404..4802, 4494..4826, 4500..5357, 4622..5101, 4631..4801		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o5.ts	Method	TBLASTX:Soybean
Start	4356	End	4859
GI	none	Score	192
Exons	4356..4733, 4653..4859		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	4872	End	5408
GI	none	Score	390
Exons	4872..5408		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	5112	End	5633
GI	none	Score	466
Exons	5112..5633, 5225..5632		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o6.tm	Method	TBLASTX:Maize
Start	5403	End	5650
GI	none	Score	266
Exons	5403..5633, 5424..5633, 5435..5650		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	5412	End	5670
GI	none	Score	289
Exons	5412..5669, 5426..5542, 5590..5670		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o5.np	Method	AAT/NAP
Start	7616	End	13057
GI	6069646	Score	964
Exons	7616..8605, 8887..9654, 12961..13057		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o7.tm	Method	TBLASTX:Maize
Start	7650	End	8171
GI	none	Score	42
Exons	7650..7727, 7736..7855, 7856..8071, 8133..8171		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	8574	End	8999
GI	none	Score	73
Exons	8574..8702, 8715..8885, 8733..8891, 8885..8974, 8886..8999		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057

Name	OJ991112_01.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	8652	End	9330
GI	none	Score	98
Exons	8652..8885, 8653..8844, 8658..8906, 8885..8971, 8886..8972, 8977..9105, 8987..9097, 9121..9330, 9172..9264		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	9331	End	9822
GI	none	Score	44
Exons	9331..9408, 9332..9400, 9397..9663, 9431..9655, 9691..9822		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	10773	End	11403
GI	none	Score	34
Exons	10773..10814, 10789..10827, 10790..10828, 10843..11115, 10845..11117, 10845..11114, 10846..11151, 10847..11161, 11099..11197, 11116..11202, 11117..11206, 11118..11216, 11305..11343, 11314..11403, 11355..11402		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	10873	End	11196
GI	none	Score	294
Exons	10873..11097, 10881..11105, 10885..11097, 11149..11196		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o4.tc	Method	TBLASTX:Cress
Start	10873	End	11402
GI	none	Score	184
Exons	10873..11097, 10874..11089, 10878..11102, 10884..11096, 10885..11097, 11147..11194, 11165..11194, 11255..11323, 11260..11292, 11364..11402		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o6.np	Method	AAT/NAP
Start	10884	End	11093
GI	7448749	Score	336
Exons	10884..11093		
GI Descrip.	hypothetical protein 62 - barley chloroplast gi|1022811|gb|AAA79707.1| (U37703) ORF 62 [Hordeum vulgare]		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o3.gp	Method	AAT/GAP

Start	11093	End	11422
GI	5607533	Score	469
Exons	11093..11422		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	38958	Seq. ID	OJ991112_01.0403.C7
Gene No.	80208	Strand	-
Start	7616	End	13057
Name	OJ991112_01.0403.C7.o4.gp	Method	AAT/GAP
Start	11531	End	11659
GI	7587_1.R1084	Score	218
Exons	11531..11659		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80209	Strand	+
Start	1	End	2941
Name	OJ991112_01.0403.C8.o1.gp	Method	AAT/GAP
Start	1	End	73
GI	uC-osroM202019h06a1	Score	146
Exons	1..73		
GI Descrip.	'3927836 3.0e-16 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80209	Strand	+
Start	1	End	2941
Name	OJ991112_01.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	2635
GI	3927836	Score	1150
Exons	1..293, 345..844, 938..1051, 2121..2385, 2523..2635		
GI Descrip.	(AC005727) unknown protein [Arabidopsis thaliana]		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80209	Strand	+
Start	1	End	2941
Name	OJ991112_01.0403.C8.o1.gs	Method	GENSCAN
Start	122	End	2638
GI	none	Score	.93
Exons	122..844, 938..1051, 2121..2385, 2523..2638		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80209	Strand	+
Start	1	End	2941
Name	OJ991112_01.0403.C8.o2.gp	Method	AAT/GAP
Start	974	End	2941
GI	19609_1.R1084	Score	1429
Exons	974..1051, 2121..2385, 2523..2941		
GI Descrip.	'3927836 9.0e-68 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8

Gene No.	80210	Strand	+
Start	7231	End	7611
Name	OJ991112_01.0403.C8.o3.gp	Method	AAT/GAP
Start	7231	End	7611
GI	none	Score	682
Exons	7231..7611		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80211	Strand	+
Start	7629	End	8191
Name	OJ991112_01.0403.C8.o4.gp	Method	AAT/GAP
Start	7629	End	8191
GI	none	Score	784
Exons	7629..7870, 8024..8191		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80212	Strand	+
Start	8442	End	9867
Name	OJ991112_01.0403.C8.o2.np	Method	AAT/NAP
Start	8442	End	9867
GI	5852084	Score	72
Exons	8442..8477, 9784..9867		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80213	Strand	+
Start	10547	End	18772
Name	OJ991112_01.0403.C8.o3.gs	Method	GENSCAN
Start	10547	End	18772
GI	none	Score	.55
Exons	10547..10678, 11296..11354, 11393..11421, 11452..11550, 13864..13938, 14900..14983, 15578..15707, 18078..18142, 18525..18646, 18680..18772		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80214	Strand	-
Start	4437	End	9669
Name	OJ991112_01.0403.C8.o2.gs	Method	GENSCAN
Start	4437	End	9669
GI	none	Score	.45
Exons	4437..4562, 5062..5220, 8216..8273, 8833..8966, 9484..9669		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80215	Strand	-
Start	12531	End	13181
Name	OJ991112_01.0403.C8.o5.gp	Method	AAT/GAP
Start	12531	End	13181
GI	5439_1.R1084	Score	997
Exons	12531..12863, 12977..13181		
GI Descrip.	'3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	115	End	319

GI	none	Score	258
Exons	115..249, 116..319		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	115	End	292
GI	none	Score	282
Exons	115..261, 116..292		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o2.tc	Method	TBLASTX:Cress
Start	116	End	283
GI	none	Score	245
Exons	116..283, 119..205, 121..261		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	521	End	721
GI	none	Score	252
Exons	521..721, 578..718		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	529	End	847
GI	none	Score	208
Exons	529..720, 530..721, 626..721, 785..847		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o3.tc	Method	TBLASTX:Cress
Start	554	End	963
GI	none	Score	189
Exons	554..718, 562..654, 638..718, 757..846, 758..850, 937..963		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	964	End	2646
GI	none	Score	105
Exons	964..1056, 965..1051, 2109..2183, 2116..2184, 2117..2371, 2118..2372, 2253..2381, 2539..2646, 2552..2638		
Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	991	End	2650

GI	none	Score	99
Exons	991..1050, 992..1051, 2109..2198, 2117..2386, 2118..2390, 2229..2387, 2492..2650, 2518..2646		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	998	End	2637
GI	none	Score	80
Exons	998..1051, 2118..2390, 2120..2386, 2521..2637, 2522..2629		

Seq. No.	38959	Seq. ID	OJ991112_01.0403.C8
Gene No.	80216	Strand	-
Start	21023	End	21394
Name	OJ991112_01.0403.C8.o4.gs	Method	GENSCAN
Start	21023	End	21394
GI	none	Score	.99
Exons	21023..21394		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80217	Strand	+
Start	106	End	4827
Name	OJ991112_01.0403.C9.o1.gs	Method	GENSCAN
Start	106	End	4827
GI	none	Score	.54
Exons	106..606, 4721..4827		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80218	Strand	+
Start	11480	End	12575
Name	OJ991112_01.0403.C9.o4.gp	Method	AAT/GAP
Start	11480	End	12575
GI	none	Score	936
Exons	11480..11838, 12408..12575		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80219	Strand	+
Start	12522	End	16003
Name	OJ991112_01.0403.C9.o2.np	Method	AAT/NAP
Start	12509	End	15991
GI	6522624	Score	884
Exons	12509..12857, 13694..13839, 14004..14111, 14566..14822, 15139..15359, 15635..15991		
GI Descrip.	(AL133298) putative protein [Arabidopsis thaliana]		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80219	Strand	+
Start	12522	End	16003
Name	OJ991112_01.0403.C9.o4.gs	Method	GENSCAN
Start	12522	End	16003
GI	none	Score	.91
Exons	12522..12725, 13694..13839, 14016..14111, 14566..14822, 15139..15359, 15635..16003		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80219	Strand	+

Start	12522	End	16003
Name	OJ991112_01.0403.C9.o5.gp	Method	AAT/GAP
Start	14692	End	15882
GI	none	Score	1109
Exons	14692..14822, 15139..15359, 15635..15882		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80220	Strand	-
Start	5119	End	9552
Name	OJ991112_01.0403.C9.o1.gp	Method	AAT/GAP
Start	5119	End	6464
GI	421_2.R1084	Score	2232
Exons	5119..6464		
GI Descrip.	'3986110/dbj|BAA34919.1| 1.0e-147 (AB012716) heat shock protein 70 cognate [Salix gilgiana]'		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80220	Strand	-
Start	5119	End	9552
Name	OJ991112_01.0403.C9.o2.gs	Method	GENSCAN
Start	5451	End	9457
GI	none	Score	.69
Exons	5451..5787, 5808..7182, 9241..9457		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80220	Strand	-
Start	5119	End	9552
Name	OJ991112_01.0403.C9.o1.np	Method	AAT/NAP
Start	5454	End	9454
GI	1076746	Score	3118
Exons	5454..7182, 9241..9454		
GI Descrip.	heat shock protein 70 - rice (fragment) gi|763160|emb|CAA47948| (X67711) heat shock protein 70 [Oryza sativa]		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80220	Strand	-
Start	5119	End	9552
Name	OJ991112_01.0403.C9.o2.gp	Method	AAT/GAP
Start	6112	End	6589
GI	uC-osf1M202097h09b1	Score	906
Exons	6112..6589		
GI Descrip.	'2642648/gb|AAB97316| 6.0e-66 (AF033852) cytosolic heat shock 70 protein; HSC70-3 [Spinacia oleracea] >gi_2660768 (AF034616) cytosolic heat shock 70 protein [Spinacia oleracea] >gi_2660770 (AF034617) cytosolic heat shock 70 protein [Spinacia oleracea]'		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80220	Strand	-
Start	5119	End	9552
Name	OJ991112_01.0403.C9.o3.gp	Method	AAT/GAP
Start	6629	End	9552
GI	360_6.R1084	Score	1679
Exons	6629..7182, 9241..9552		
GI Descrip.	'1076746/pir||S53126 1.0e-108 heat shock protein 70 - rice (fragment) >gi_763160_emb_CAA47948_ (X67711) heat shock protein 70 [Oryza sativa]'		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80221	Strand	-
Start	9770	End	11921
Name	OJ991112_01.0403.C9.o3.gs	Method	GENSCAN
Start	9770	End	11921
GI	none	Score	.72
Exons	9770..10093, 10145..10253, 11626..11921		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o5.tm	Method	TBLASTX:Maize
Start	6	End	225
GI	none	Score	175
Exons	6..224, 61..225		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o2.tc	Method	TBLASTX:Cress
Start	42	End	258
GI	none	Score	146
Exons	42..257, 61..258		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o2.ts	Method	TBLASTX:Soybean
Start	42	End	258
GI	none	Score	215
Exons	42..257, 61..258		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	5395	End	9446
GI	none	Score	281
Exons	5395..5481, 5491..5520, 5520..5774, 5521..5781, 5544..5783, 5545..5781, 5771..7183, 5849..7183, 5868..7184, 9240..9431, 9242..9445, 9243..9446		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	5437	End	9461
GI	none	Score	41
Exons	5437..5481, 5451..5510, 5494..5766, 5525..5767, 5544..5783, 5545..5781, 5755..6072, 5771..7183, 5782..5808, 5851..6078, 5868..7184, 6972..7199, 9231..9461, 9240..9458, 9242..9460		

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	5461	End	9445

GI	none	Score	254
Exons	5461..5499, 5475..5777, 5491..5781, 5544..5783, 5545..5781, 5693..5902, 5771..7183, 5851..6078, 6054..7184, 9231..9443, 9242..9445		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	5493	End	9446
GI	none	Score	35
Exons	5493..5519, 5524..5766, 5525..5767, 5544..5783, 5545..5781, 5771..7183, 5857..6078, 5868..7184, 9231..9446, 9242..9445		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o4.tm	Method	TBLASTX:Maize
Start	12458	End	14114
GI	none	Score	50
Exons	12458..12508, 12481..12621, 12485..12838, 12521..12853, 12570..12857, 13687..13767, 13688..13768, 13706..13768, 13782..13838, 13783..13839, 14002..14112, 14017..14112, 14018..14113, 14019..14114		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o3.ts	Method	TBLASTX:Soybean
Start	12579	End	12863
GI	none	Score	216
Exons	12579..12863, 12692..12862		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o4.ts	Method	TBLASTX:Soybean
Start	14564	End	14821
GI	none	Score	168
Exons	14564..14719, 14568..14729, 14568..14660, 14611..14721, 14720..14821		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	14576	End	15233
GI	none	Score	389
Exons	14576..14821, 14608..14820, 15138..15233, 15138..15233		
Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	15236	End	16003
GI	none	Score	72
Exons	15236..15307, 15242..15361, 15243..15362, 15631..15981,		

15632..16003, 15635..15997

Seq. No.	38960	Seq. ID	OJ991112_01.0403.C9
Gene No.	80222	Strand	-
Start	15912	End	16534
Name	OJ991112_01.0403.C9.o6.gp	Method	AAT/GAP
Start	15912	End	16534
GI	none	Score	1196
Exons	15912..16534		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80223	Strand	+
Start	77	End	3215
Name	OJ991112_01.0403.C10.o1.gs	Method	GENSCAN
Start	77	End	2847
GI	none	Score	.79
Exons	77..245, 445..602, 625..681, 2340..2847		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80223	Strand	+
Start	77	End	3215
Name	OJ991112_01.0403.C10.o1.gp	Method	AAT/GAP
Start	450	End	2511
GI	LIB3434-029-P1-K1-D7	Score	921
Exons	450..681, 2051..2140, 2340..2511		
GI Descrip.	'2895760 2.0e-15 (AF045246) universal minicircle sequence binding protein [Crithidia fasciculata] >gi_2895761 (AF045246) universal minicircle sequence binding protein [Crithidia fasciculata]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80223	Strand	+
Start	77	End	3215
Name	OJ991112_01.0403.C10.o1.np	Method	AAT/NAP
Start	2005	End	3215
GI	543908	Score	187
Exons	2005..2097, 2354..2526, 2632..2827, 3151..3215		
GI Descrip.	CELLULAR NUCLEIC ACID BINDING PROTEIN HOMOLOG gi|254734|bbs|112403 (S45038) cellular nucleic acid binding protein homolog=byr3 [Schizosaccharomyces pombe, Peptide, 179 aa] [Schizosaccharomyces pombe] gi|1204164|emb|CAA93542.1| (Z69725) cellular nucleic acid binding protein homolog [Schizosaccharomyces pombe]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80224	Strand	+
Start	26848	End	27408
Name	OJ991112_01.0403.C10.o7.gs	Method	GENSCAN
Start	26848	End	27408
GI	none	Score	.78
Exons	26848..27408		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80225	Strand	+
Start	33741	End	34792
Name	OJ991112_01.0403.C10.o9.np	Method	AAT/NAP
Start	33741	End	34792

GI	6907086	Score	1069
Exons	33741..34491, 34551..34792		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80226	Strand	-
Start	4306	End	6455
Name	OJ991112_01.0403.C10.o2.gp	Method	AAT/GAP
Start	4251	End	4583
GI	LIB3475-012-P1-K1-D2	Score	382
Exons	4251..4456, 4546..4583		
GI Descrip.	'1419370/emb|CAA66311| 2.0e-19 (X97726) actin depolymerizing factor [Zea mays]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80226	Strand	-
Start	4306	End	6455
Name	OJ991112_01.0403.C10.o2.gs	Method	GENSCAN
Start	4306	End	6455
GI	none	Score	.48
Exons	4306..4456, 4546..4811, 6453..6455		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80226	Strand	-
Start	4306	End	6455
Name	OJ991112_01.0403.C10.o4.np	Method	AAT/NAP
Start	4309	End	4814
GI	7441449	Score	531
Exons	4309..4456, 4546..4814		
GI Descrip.	actin-depolymerizing factor 3 - maize gi|1419370|emb|CAA66311.1| (X97726) actin depolymerizing factor [Zea mays]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80227	Strand	-
Start	7072	End	7803
Name	OJ991112_01.0403.C10.o3.gs	Method	GENSCAN
Start	7072	End	7688
GI	none	Score	.94
Exons	7072..7521, 7686..7688		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80227	Strand	-
Start	7072	End	7803
Name	OJ991112_01.0403.C10.o5.np	Method	AAT/NAP
Start	7075	End	7524
GI	1381154	Score	468
Exons	7075..7524		
GI Descrip.	(U58278) WCOR719 [Triticum aestivum]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80227	Strand	-
Start	7072	End	7803
Name	OJ991112_01.0403.C10.o3.gp	Method	AAT/GAP
Start	7205	End	7803
GI	27465_1.R1084	Score	789
Exons	7205..7521, 7686..7803		
GI Descrip.	'1381154 8.0e-28 (U58278) WCOR719 [Triticum aestivum]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80228	Strand	-
Start	10012	End	10446
Name	OJ991112_01.0403.C10.o4.gs	Method	GENSCAN
Start	10012	End	10446
GI	none	Score	1
Exons	10012..10446		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80229	Strand	-
Start	13502	End	18648
Name	OJ991112_01.0403.C10.o6.np	Method	AAT/NAP
Start	12427	End	13966
GI	1418325	Score	161
Exons	12427..12485, 13597..13718, 13752..13966		
GI Descrip.	(X98674) zinc finger protein [Arabidopsis thaliana] gi|1418337|emb|CAA67231| (X98673) zinc finger protein [Arabidopsis thaliana]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80229	Strand	-
Start	13502	End	18648
Name	OJ991112_01.0403.C10.o5.gs	Method	GENSCAN
Start	13502	End	18648
GI	none	Score	.73
Exons	13502..14028, 14967..15078, 15250..15300, 15403..15518, 18477..18648		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80229	Strand	-
Start	13502	End	18648
Name	OJ991112_01.0403.C10.o4.gp	Method	AAT/GAP
Start	16903	End	17060
GI	533_1.R1084	Score	146
Exons	16903..16986, 17009..17060		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80230	Strand	-
Start	19149	End	26020
Name	OJ991112_01.0403.C10.o5.gp	Method	AAT/GAP
Start	19149	End	19631
GI	uC-osf1M202056h06a1	Score	751
Exons	19149..19407, 19491..19631		
GI Descrip.	'1168609/sp|P42744|AXR1_ARATH 9.0e-13 AUXIN-RESISTANCE PROTEIN AXR1 >gi_479664_pir__S35071 auxin-resistance protein AXR1 - Arabidopsis thaliana >gi_304104 (L13922) ubiquitin-activating enzyme E1 [Arabidopsis thaliana] >gi_2388579 (AC000098) Match to Arabidopsis AXR1 (gb_ATHAXR1122). [Arabidopsis thaliana] >gi_448755_prf__1917337A ubiquitin-activating enzyme E1 [Arabidopsis thal'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10

Gene No.	80230	Strand	-
Start	19149	End	26020
Name	OJ991112_01.0403.C10.o6.gs	Method	GENSCAN
Start	19324	End	26020
GI	none	Score	.7
Exons	19324..19407, 19491..19671, 19763..19846, 20327..20412, 20836..20998, 21112..21185, 22348..22436, 23028..23121, 23218..23368, 23469..23548, 23739..23849, 24158..24365, 25218..25380, 25996..26020		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80230	Strand	-
Start	19149	End	26020
Name	OJ991112_01.0403.C10.o7.np	Method	AAT/NAP
Start	19327	End	25295
GI	1168609	Score	1508
Exons	19327..19407, 19491..19671, 19763..19846, 20327..20412, 20836..20998, 21112..21185, 22348..22436, 23028..23121, 23218..23368, 23469..23548, 23739..23849, 24158..24321, 24417..24589, 25218..25295		
GI Descrip.	AUXIN-RESISTANCE PROTEIN AXR1 gi|479664|pir||S35071 auxin-resistance protein AXR1 - Arabidopsis thaliana gi|304104|gb|AAB59348.1| (L13922) ubiquitin-activating enzyme E1 [Arabidopsis thaliana] gi|2388579|gb|AAB71460.1| (AC000098) Match to Arabidopsis AXR1 (gb|ATHAXR1122). [Arabidopsis thaliana] gi|448755|prf||1917337A ubiquitin-activating enzyme E1 [Arabidopsis tha		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80230	Strand	-
Start	19149	End	26020
Name	OJ991112_01.0403.C10.o6.gp	Method	AAT/GAP
Start	19767	End	21152
GI	LIB3434-056-P1-K1-G9	Score	644
Exons	19767..19846, 20327..20412, 20836..20998, 21112..21152		
GI Descrip.	'1168609/sp|P42744|AXR1_ARATH 2.0e-39 AUXIN-RESISTANCE PROTEIN AXR1 >gi_479664_pir__S35071 auxin-resistance protein AXR1 - Arabidopsis thaliana >gi_304104 (L13922) ubiquitin-activating enzyme E1 [Arabidopsis thaliana] >gi_2388579 (AC000098) Match to Arabidopsis AXR1 (gb_ATHAXR1122). [Arabidopsis thaliana] >gi_448755_prf__1917337A ubiquitin-activating enzyme E1 [Arabidopsis tha'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80230	Strand	-
Start	19149	End	26020
Name	OJ991112_01.0403.C10.o7.gp	Method	AAT/GAP
Start	23806	End	25390
GI	24813_1.R1084	Score	1020
Exons	23806..23849, 24158..24321, 24417..24589, 25218..25390		
GI Descrip.	'1168609/sp|P42744|AXR1_ARATH 4.0e-43 AUXIN-RESISTANCE PROTEIN AXR1 >gi_479664_pir__S35071 auxin-resistance protein AXR1 - Arabidopsis thaliana >gi_304104 (L13922) ubiquitin-activating enzyme E1 [Arabidopsis thaliana] >gi_2388579 (AC000098) Match to Arabidopsis AXR1 (gb_ATHAXR1122). [Arabidopsis thaliana] >gi_448755_prf__1917337A ubiquitin-activating enzyme E1 [Arabidopsis thaliana]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	2043	End	2850
GI	none	Score	139
Exons	2043..2141, 2049..2102, 2058..2141, 2058..2141, 2058..2141, 2060..2140, 2061..2141, 2340..2468, 2341..2505, 2341..2472, 2341..2481, 2365..2505, 2365..2415, 2371..2502, 2394..2501, 2428..2478, 2481..2687, 2482..2688, 2485..2610, 2490..2657, 2493..2645, 2493..2606, 2494..2538, 2494..2652, 2494..2652, 2497..2748, 2539..2652, 2552..2638, 2554..2595, 2554..2595, 2587..2667, 2608..2652, 2683..2751, 2695..2805, 2707..2811, 2707..2820, 2707..2811, 2707..2838, 2757..2849, 2758..2850		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	2048	End	2820
GI	none	Score	141
Exons	2048..2143, 2049..2141, 2049..2129, 2058..2141, 2058..2141, 2058..2141, 2061..2141, 2341..2505, 2341..2430, 2341..2490, 2341..2481, 2342..2473, 2343..2489, 2365..2478, 2371..2502, 2374..2472, 2422..2502, 2476..2811, 2485..2652, 2490..2813, 2493..2642, 2494..2553, 2496..2651, 2497..2667, 2551..2667, 2620..2820, 2695..2805, 2707..2814, 2707..2805		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	4098	End	7522
GI	none	Score	39
Exons	4098..4172, 4158..4193, 4200..4232, 4200..4226, 4244..4264, 4303..4458, 4303..4455, 4526..4744, 4534..4776, 4545..4811, 4545..4811, 4546..4812, 7084..7248, 7124..7246, 7291..7521, 7304..7522		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	4151	End	7522
GI	none	Score	47
Exons	4151..4198, 4293..4457, 4306..4458, 4315..4455, 4338..4457, 4544..4693, 4545..4697, 4545..4700, 4549..4701, 4689..4811, 4711..4821, 4723..4812, 7073..7201, 7084..7176, 7084..7251, 7124..7252, 7291..7410, 7301..7426, 7399..7521, 7460..7522		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o2.tc	Method	TBLASTX:Cress
Start	4290	End	7581
GI	none	Score	59

Exons	4290..4448, 4292..4441, 4306..4455, 4321..4458, 4543..4623, 4544..4621, 4545..4817, 4546..4818, 4721..4822, 6960..6980, 7072..7251, 7145..7252, 7291..7581, 7304..7429, 7463..7513		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o3.ts	Method	TBLASTX:Soybean
Start	4291	End	7557
GI	none	Score	111
Exons	4291..4455, 4306..4461, 4545..4799, 4545..4811, 4561..4812, 7066..7248, 7124..7246, 7291..7557, 7304..7522		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o5.tm	Method	TBLASTX:Maize
Start	10082	End	27255
GI	none	Score	130
Exons	10082..10183, 10087..10197, 10249..10317, 10268..10321, 13613..13690, 13614..13685, 13772..13858, 13963..14013, 26985..27068, 26989..27069, 27163..27255, 27189..27254		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o4.tc	Method	TBLASTX:Cress
Start	10087	End	27255
GI	none	Score	139
Exons	10087..10152, 10249..10314, 13610..13723, 13616..13738, 13784..13855, 13784..13846, 26878..27069, 26991..27065, 27169..27255		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o7.ts	Method	TBLASTX:Soybean
Start	10087	End	27354
GI	none	Score	69
Exons	10087..10179, 10091..10174, 10249..10314, 10268..10324, 13619..13690, 13772..13852, 26914..27069, 26980..27060, 26982..27065, 27175..27354, 27178..27291, 27189..27260		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o4.tm	Method	TBLASTX:Maize
Start	19224	End	24603
GI	none	Score	49
Exons	19224..19286, 19228..19272, 19295..19408, 19312..19431, 19321..19428, 19488..19679, 19489..19674, 19526..19678, 19765..19848, 19767..19832, 20329..20406, 20329..20406, 20330..20413, 20830..20997, 20834..20998, 20841..21005, 21109..21186, 21110..21190, 21110..21187, 21111..21224, 21112..21192, 22320..22430, 22340..22441, 23015..23062, 23025..23123, 23032..23112, 23182..23367, 23207..23368, 23213..23368, 23218..23370, 23466..23549, 23468..23551,		

23469..23549, 23725..23850, 23739..23852, 23764..23871,
24125..24307, 24155..24322, 24162..24320, 24163..24321,
24412..24603, 24416..24592, 24501..24596

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o3.tc	Method	TBLASTX:Cress
Start	19324	End	24592
GI	none	Score	84

Exons 19324..19431, 19325..19408, 19488..19679, 19489..19680,
19765..19848, 19777..19842, 20329..20409, 20330..20407,
20833..20946, 20837..20872, 20893..20964, 20956..20997,
20957..20989, 21111..21212, 21112..21186, 23032..23103,
23034..23090, 23210..23326, 23218..23325, 23471..23551,
23472..23564, 23739..23852, 24155..24322, 24156..24323,
24418..24591, 24497..24592

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o6.ts	Method	TBLASTX:Soybean
Start	19488	End	19848
GI	none	Score	170

Exons 19488..19679, 19489..19680, 19765..19848, 19768..19848

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o8.ts	Method	TBLASTX:Soybean
Start	20353	End	21159
GI	none	Score	66

Exons 20353..20409, 20360..20413, 20833..20994, 20834..20992,
21111..21158, 21112..21159

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	20833	End	22436
GI	none	Score	215

Exons 20833..20997, 20834..20998, 20834..21010, 20835..21011,
21109..21186, 21110..21187, 21111..21224, 21112..21192,
22320..22427, 22340..22429, 22347..22436

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o5.ts	Method	TBLASTX:Soybean
Start	23216	End	23834
GI	none	Score	127

Exons 23216..23371, 23218..23370, 23439..23564, 23468..23551,
23737..23829, 23739..23834

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158

Name	OJ991112_01.0403.C10.o4.ts	Method	TBLASTX:Soybean
Start	24153	End	24592
GI	none	Score	156
Exons	24153..24326, 24164..24322, 24165..24326, 24418..24591, 24419..24592, 24422..24592		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o8.gp	Method	AAT/GAP
Start	27781	End	31158
GI	1907_2.R1084	Score	2034
Exons	27781..28159, 28230..28322, 28468..28530, 28847..28944, 29033..29098, 29184..29284, 29370..29442, 30833..30929, 31011..31158		
GI Descrip.	'5669640/gb|AAD46405.1|AF096249_1 1.0e-82 (AF096249) ethylene-responsive small GTP-binding protein [Lycopersicon esculentum]'		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	27909	End	30905
GI	none	Score	40
Exons	27909..27953, 27942..28061, 27944..28060, 28083..28106, 28105..28161, 28112..28165, 28219..28335, 28230..28322, 28468..28533, 28469..28531, 28833..28943, 28846..28944, 28847..28945, 28847..28948, 29017..29100, 29028..29108, 29055..29114, 29176..29283, 29186..29284, 29356..29436, 29361..29447, 29369..29446, 30831..30905		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o8.gs	Method	GENSCAN
Start	28082	End	30905
GI	none	Score	.69
Exons	28082..28159, 28230..28322, 28468..28530, 28847..28944, 29184..29284, 29370..29406, 30833..30905		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o8.np	Method	AAT/NAP
Start	28085	End	30905
GI	2808638	Score	780
Exons	28085..28159, 28230..28322, 28468..28530, 28847..28944, 29033..29098, 29184..29284, 29370..29442, 30833..30905		
GI Descrip.	(AJ001367) small GTP-binding protein [Daucus carota]		

Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	28219	End	29448
GI	none	Score	125

Exons	28219..28335, 28230..28322, 28468..28533, 28469..28531, 28470..28535, 28836..28943, 28836..28946, 28838..28945, 28847..28948, 28968..29099, 28981..29100, 29020..29097, 29028..29108, 29176..29283, 29184..29282, 29186..29284, 29361..29447, 29369..29446, 29371..29448		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	28844	End	30905
GI	none	Score	130
Exons	28844..28948, 28845..28943, 28981..29100, 29028..29108, 29176..29283, 29186..29284, 29361..29447, 29369..29446, 30831..30905		
Seq. No.	38961	Seq. ID	OJ991112_01.0403.C10
Gene No.	80231	Strand	-
Start	27781	End	31158
Name	OJ991112_01.0403.C10.o3.tw	Method	TBLASTX:Wheat
Start	28844	End	29446
GI	none	Score	49
Exons	28844..28948, 28845..28910, 29010..29108, 29032..29088, 29176..29283, 29185..29292, 29190..29285, 29361..29444, 29369..29446		
Seq. No.	38962	Seq. ID	OJ991112_01.0403.C12
Gene No.	80232	Strand	+
Start	57	End	1556
Name	OJ991112_01.0403.C12.o1.gs	Method	GENSCAN
Start	57	End	1556
GI	none	Score	.67
Exons	57..148, 275..1090, 1274..1406, 1501..1556		
Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80233	Strand	+
Start	1	End	451
Name	OJ991112_01.0403.C13.o1.np	Method	AAT/NAP
Start	1	End	442
GI	7485405	Score	120
Exons	1..442		
GI Descrip.	hypothetical protein F12L6.10 - Arabidopsis thaliana gi|3355473|gb|AAC27835.1| (AC004218) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80233	Strand	+
Start	1	End	451
Name	OJ991112_01.0403.C13.o1.gs	Method	GENSCAN
Start	72	End	451
GI	none	Score	.79
Exons	72..451		
Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80234	Strand	+
Start	416	End	892
Name	OJ991112_01.0403.C13.o1.gp	Method	AAT/GAP

Start	416	End	892
GI	none	Score	927
Exons	416..892		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80235	Strand	+
Start	2286	End	6037
Name	OJ991112_01.0403.C13.o2.gp	Method	AAT/GAP
Start	2230	End	2899
GI	67191_1.R1084	Score	801
Exons	2230..2382, 2480..2641, 2718..2899		
GI Descrip.	'729103/sp|Q08704|CFI_MAIZE 6.0e-46 CHALCONE--FLAVONONE ISOMERASE (CHALCONE ISOMERASE) >gi_542181_pir__S41570 chalcone isomerase (EC 5.5.1.6) - maize >gi_396149_emb_CAA80441_ (Z22760) chalcone flavonone isomerase [Zea mays]'		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80235	Strand	+
Start	2286	End	6037
Name	OJ991112_01.0403.C13.o2.gs	Method	GENSCAN
Start	2286	End	3954
GI	none	Score	.72
Exons	2286..2382, 2480..2641, 2718..2941, 3023..3229, 3585..3621, 3863..3954		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80235	Strand	+
Start	2286	End	6037
Name	OJ991112_01.0403.C13.o2.np	Method	AAT/NAP
Start	2290	End	3244
GI	729103	Score	775
Exons	2290..2382, 2480..2641, 2718..2941, 3023..3244		
GI Descrip.	CHALCONE--FLAVONONE ISOMERASE (CHALCONE ISOMERASE) gi|542181|pir||S41570 chalcone isomerase (EC 5.5.1.6) - maize gi|396149|emb|CAA80441.1| (Z22760) chalcone flavonone isomerase [Zea mays]		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80235	Strand	+
Start	2286	End	6037
Name	OJ991112_01.0403.C13.o3.gp	Method	AAT/GAP
Start	2885	End	3374
GI	67543_1.R1084	Score	717
Exons	2885..2941, 3023..3374		
GI Descrip.	'729103/sp|Q08704|CFI_MAIZE 4.0e-11 CHALCONE--FLAVONONE ISOMERASE (CHALCONE ISOMERASE) >gi_542181_pir__S41570 chalcone isomerase (EC 5.5.1.6) - maize >gi_396149_emb_CAA80441_ (Z22760) chalcone flavonone isomerase [Zea mays]'		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80235	Strand	+
Start	2286	End	6037
Name	OJ991112_01.0403.C13.o3.np	Method	AAT/NAP
Start	3522	End	6037
GI	5042418	Score	152
Exons	3522..3550, 5098..5539, 5782..6037		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80236	Strand	+
Start	9782	End	10177
Name	OJ991112_01.0403.C13.o4.gp	Method	AAT/GAP
Start	9721	End	10082
GI	none	Score	648
Exons	9721..10082		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80236	Strand	+
Start	9782	End	10177
Name	OJ991112_01.0403.C13.o5.gs	Method	GENSCAN
Start	9782	End	10177
GI	none	Score	.94
Exons	9782..10177		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80237	Strand	-
Start	7245	End	7604
Name	OJ991112_01.0403.C13.o2.tm	Method	TBLASTX:Maize
Start	1	End	875
GI	none	Score	68
Exons	1..57, 4..387, 5..409, 82..426, 583..627, 623..712, 822..875		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80237	Strand	-
Start	7245	End	7604
Name	OJ991112_01.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	2277	End	3196
GI	none	Score	129
Exons	2277..2321, 2292..2387, 2339..2383, 2431..2547, 2475..2633, 2476..2553, 2544..2642, 2545..2646, 2671..2943, 2711..2947, 2980..3051, 3017..3052, 3059..3196, 3103..3192		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80237	Strand	-
Start	7245	End	7604
Name	OJ991112_01.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	3205
GI	none	Score	86
Exons	2280..2387, 2476..2553, 2554..2643, 2702..2947, 2710..2946, 3062..3205		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80237	Strand	-
Start	7245	End	7604
Name	OJ991112_01.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	2475	End	3184
GI	none	Score	86
Exons	2475..2543, 2476..2553, 2544..2642, 2545..2643, 2710..2943, 2711..2947, 3017..3067, 3071..3184		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80237	Strand	-
Start	7245	End	7604
Name	OJ991112_01.0403.C13.o4.gs	Method	GENSCAN

Start	7245	End	7604
GI	none	Score	.65
Exons	7245..7293, 7387..7604		

Seq. No.	38963	Seq. ID	OJ991112_01.0403.C13
Gene No.	80238	Strand	
Start	9781	End	9943
Name	OJ991112_01.0403.C13.o3.tm	Method	TBLASTX:Maize
Start	9781	End	9943
GI	none	Score	184
Exons	9781..9903, 9782..9910, 9905..9943		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80239	Strand	+
Start	433	End	2147
Name	OJ991112_01.0403.C14.o1.np	Method	AAT/NAP
Start	433	End	962
GI	7413649	Score	202
Exons	433..508, 832..962		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80239	Strand	+
Start	433	End	2147
Name	OJ991112_01.0403.C14.o1.gs	Method	GENSCAN
Start	502	End	2147
GI	none	Score	.53
Exons	502..508, 832..923, 1244..1282, 1953..2147		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80239	Strand	+
Start	433	End	2147
Name	OJ991112_01.0403.C14.o1.gp	Method	AAT/GAP
Start	1010	End	1661
GI	3763469	Score	1235
Exons	1010..1661		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o3.tm	Method	TBLASTX:Maize
Start	423	End	977
GI	none	Score	101
Exons	423..512, 429..509, 430..510, 430..516, 828..977, 831..944		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o2.np	Method	AAT/NAP
Start	3598	End	4579
GI	6478148	Score	227
Exons	3598..3701, 3808..4020, 4276..4579		
GI Descrip.	(AJ242804) putative glycine and proline-rich protein [Sporobolus stapfianus]		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-

Start	3794	End	8802
Name	OJ991112_01.0403.C14.o2.gp	Method	AAT/GAP
Start	3675	End	4760
GI	none	Score	1418
Exons	3675..4005, 4249..4603, 4686..4760		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o2.gs	Method	GENSCAN
Start	3794	End	8667
GI	none	Score	.84
Exons	3794..4020, 4249..4603, 5583..5714, 7134..7460, 7572..7805, 8284..8667		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o3.gp	Method	AAT/GAP
Start	5222	End	7208
GI	none	Score	1017
Exons	5222..5714, 7134..7208		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	5421	End	5611
GI	none	Score	249
Exons	5421..5609, 5422..5610, 5423..5611		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o3.np	Method	AAT/NAP
Start	5440	End	8802
GI	4505029	Score	508
Exons	5440..5731, 7122..7460, 7569..7805, 8284..8694, 8731..8802		
GI Descrip.	leukotriene A4 hydrolase gi|126353|sp|P09960|LKHA_HUMAN LEUKOTRIENE A-4 HYDROLASE (LTA-4 HYDROLASE) (LEUKOTRIENE A(4) HYDROLASE) gi|2118059|pir||S65947 leukotriene-A4 hydrolase (EC 3.3.2.6) long isoform - human gi|307130|gb|AAA36176.1| (J03459) leukotriene A-4 hydrolase precursor [Homo sapiens] gi|307131|gb|AAA36177.1| (J02959) leukotriene A4 hydrolase [Homo sapiens]		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	5607	End	7601
GI	none	Score	337
Exons	5607..5717, 7131..7460, 7132..7458, 7133..7462, 7257..7466, 7569..7601		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-

Start	3794	End	8802
Name	OJ991112_01.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	5612	End	7720
GI	none	Score	125
Exons	5612..5719, 5613..5717, 7120..7461, 7120..7407, 7131..7460, 7133..7465, 7569..7718, 7569..7718, 7571..7720, 7577..7720		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o2.ts	Method	TBLASTX:Soybean
Start	7602	End	7802
GI	none	Score	73
Exons	7602..7802, 7604..7732, 7605..7739, 7645..7800		

Seq. No.	38964	Seq. ID	OJ991112_01.0403.C14
Gene No.	80240	Strand	-
Start	3794	End	8802
Name	OJ991112_01.0403.C14.o1.tw	Method	TBLASTX:Wheat
Start	7722	End	8554
GI	none	Score	123
Exons	7722..7808, 7723..7872, 8135..8173, 8280..8309, 8282..8371, 8284..8376, 8284..8376, 8360..8449, 8361..8534, 8374..8553, 8377..8544, 8387..8554		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80241	Strand	+
Start	1041	End	2385
Name	OJ991112_01.0403.C15.o3.np	Method	AAT/NAP
Start	1041	End	2385
GI	6630699	Score	84
Exons	1041..1065, 2307..2385		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80242	Strand	-
Start	1	End	1537
Name	OJ991112_01.0403.C15.o1.gp	Method	AAT/GAP
Start	1	End	316
GI	uC-osflcyp035g11b1	Score	604
Exons	1..316		
GI Descrip.	'2944040 2.0e-38 (AF048900) indeterminate spikelet 1 [Zea mays]'		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80242	Strand	-
Start	1	End	1537
Name	OJ991112_01.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1419
GI	6539570	Score	218
Exons	1..35, 985..1058, 1217..1419		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80242	Strand	-
Start	1	End	1537

Name	OJ991112_01.0403.C15.o1.gs	Method	GENSCAN
Start	47	End	1537
GI	none	Score	.72
Exons	47..296, 1209..1377, 1492..1537		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80243	Strand	-
Start	1546	End	2699
Name	OJ991112_01.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	41	End	293
GI	none	Score	162
Exons	41..292, 42..197, 240..293		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80243	Strand	-
Start	1546	End	2699
Name	OJ991112_01.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	116	End	296
GI	none	Score	91
Exons	116..292, 129..296		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80243	Strand	-
Start	1546	End	2699
Name	OJ991112_01.0403.C15.o2.np	Method	AAT/NAP
Start	1546	End	2699
GI	6630699	Score	89
Exons	1546..1661, 2561..2699		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38965	Seq. ID	OJ991112_01.0403.C15
Gene No.	80243	Strand	-
Start	1546	End	2699
Name	OJ991112_01.0403.C15.o4.np	Method	AAT/NAP
Start	2524	End	2699
GI	5922620	Score	185
Exons	2524..2699		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80244	Strand	+
Start	2856	End	4200
Name	OJ991112_01.0403.C16.o2.np	Method	AAT/NAP
Start	2856	End	4200
GI	6630699	Score	85
Exons	2856..2876, 4132..4200		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16

Gene No.	80245	Strand	-
Start	493	End	4063
Name	OJ991112_01.0403.C16.o1.np	Method	AAT/NAP
Start	493	End	4063
GI	5922620	Score	309
Exons	493..606, 1249..1637, 2460..2573, 3920..3978, 4017..4063		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80246	Strand	-
Start	4339	End	6109
Name	OJ991112_01.0403.C16.o3.np	Method	AAT/NAP
Start	4339	End	6109
GI	5922620	Score	160
Exons	4339..4520, 6089..6109		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80247	Strand	-
Start	8545	End	10262
Name	OJ991112_01.0403.C16.o3.gs	Method	GENSCAN
Start	8545	End	10262
GI	none	Score	.75
Exons	8545..8930, 9347..9588, 10150..10262		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80248	Strand	-
Start	10958	End	11313
Name	OJ991112_01.0403.C16.o4.gs	Method	GENSCAN
Start	10958	End	11313
GI	none	Score	.57
Exons	10958..11196, 11238..11313		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o5.gs	Method	GENSCAN
Start	12778	End	17015
GI	none	Score	.91
Exons	12778..12896, 13645..13810, 15007..15143, 15235..15476, 15862..16007, 16120..16207, 16340..16370, 16483..16508, 16609..17015		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o4.np	Method	AAT/NAP
Start	13716	End	17015
GI	7489779	Score	1164

Exons	13716..13919, 14607..14717, 15007..15143, 15235..15338, 15432..15476, 15862..16007, 16120..16207, 16340..16370, 16483..16508, 16609..16906, 16940..17015		
GI Descrip.	indeterminate spikelet 1 - maize gi|2944040|gb|AAC05206.1| (AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	15197	End	16513
GI	none	Score	72
Exons	15197..15340, 15234..15341, 15260..15340, 15425..15478, 15431..15484, 15432..15494, 15858..16016, 15859..16011, 16117..16203, 16120..16209, 16123..16209, 16481..16513		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	15227	End	16730
GI	none	Score	83
Exons	15227..15352, 15249..15368, 15260..15340, 15404..15478, 15425..15478, 15853..16011, 15861..16016, 15909..16016, 16120..16209, 16121..16201, 16126..16209, 16481..16507, 16482..16508, 16617..16730, 16618..16701		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	15260	End	16676
GI	none	Score	201
Exons	15260..15340, 15287..15352, 15404..15478, 15425..15478, 15859..16011, 15861..16010, 16117..16209, 16120..16209, 16481..16507, 16620..16676		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o1.gp	Method	AAT/GAP
Start	15897	End	16654
GI	2431456	Score	481
Exons	15897..16007, 16120..16207, 16340..16370, 16483..16508, 16609..16654		
GI Descrip.	2944040 2.0e-38 (AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	38966	Seq. ID	OJ991112_01.0403.C16
Gene No.	80249	Strand	-
Start	12778	End	17052
Name	OJ991112_01.0403.C16.o2.gp	Method	AAT/GAP
Start	16797	End	17052
GI	2311843	Score	468
Exons	16797..17052		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80250	Strand	+

Start	1704	End	4647
Name	OJ991112_01.0403.C17.o1.gp	Method	AAT/GAP
Start	1704	End	2121
GI	uC-osf1cyp097b05b1	Score	601
Exons	1704..2121		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80250	Strand	+
Start	1704	End	4647
Name	OJ991112_01.0403.C17.o1.np	Method	AAT/NAP
Start	1780	End	2706
GI	140503	Score	401
Exons	1780..2083, 2613..2706		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80250	Strand	+
Start	1704	End	4647
Name	OJ991112_01.0403.C17.o2.gp	Method	AAT/GAP
Start	2552	End	4647
GI	14884_1.R1084	Score	1514
Exons	2552..2649, 3768..3923, 4000..4126, 4203..4647		
GI Descrip.	'1173187/sp|P46297|RS23_FRAAN 3.0e-69 40S RIBOSOMAL PROTEIN S23 (S12) >gi_1362041_pir__S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry >gi_643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]'		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80250	Strand	+
Start	1704	End	4647
Name	OJ991112_01.0403.C17.o2.np	Method	AAT/NAP
Start	3763	End	4340
GI	1173187	Score	643
Exons	3763..3923, 4000..4126, 4203..4340		
GI Descrip.	40S RIBOSOMAL PROTEIN S23 (S12) gi|1362041|pir||S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry gi|643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80250	Strand	+
Start	1704	End	4647
Name	OJ991112_01.0403.C17.o2.gs	Method	GENSCAN
Start	3781	End	4343
GI	none	Score	.86

Exons	3781..3923, 4000..4126, 4203..4343		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80251	Strand	+
Start	4732	End	8397
Name	OJ991112_01.0403.C17.o3.gs	Method	GENSCAN
Start	4732	End	8397
GI	none	Score	.63
Exons	4732..5375, 5424..5533, 5664..5886, 6098..6221, 7294..7322, 7939..8059, 8140..8397		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80251	Strand	+
Start	4732	End	8397
Name	OJ991112_01.0403.C17.o3.gp	Method	AAT/GAP
Start	5169	End	5799
GI	18187_1.R1084	Score	635
Exons	5169..5375, 5501..5533, 5664..5799		
GI Descrip.	'6016679/gb|AAF01506.1|AC009991_2 5.0e-30 (AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]'		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80251	Strand	+
Start	4732	End	8397
Name	OJ991112_01.0403.C17.o3.np	Method	AAT/NAP
Start	5276	End	8385
GI	6016679	Score	747
Exons	5276..5375, 5501..5533, 5664..5886, 7939..8116, 8185..8385		
GI Descrip.	(AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80252	Strand	+
Start	8477	End	8727
Name	OJ991112_01.0403.C17.o4.gp	Method	AAT/GAP
Start	8477	End	8727
GI	5005085	Score	458
Exons	8477..8727		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80253	Strand	-
Start	36	End	1131
Name	OJ991112_01.0403.C17.o1.gs	Method	GENSCAN
Start	36	End	1131
GI	none	Score	.83
Exons	36..179, 292..460, 948..1131		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o7.tm	Method	TBLASTX:Maize
Start	949	End	1367
GI	none	Score	85
Exons	949..1002, 950..1003, 1021..1107, 1108..1236, 1109..1237, 1148..1240, 1266..1367		
Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17

Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o5.tm	Method	TBLASTX:Maize
Start	1581	End	1862
GI	none	Score	274
Exons	1581..1613, 1704..1862, 1708..1860		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	3759	End	4128
GI	none	Score	284
Exons	3759..3923, 3760..3933, 3767..3943, 3989..4126, 3997..4128, 4001..4126		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	3769	End	4358
GI	none	Score	279
Exons	3769..3933, 3771..3923, 3997..4128, 4000..4125, 4001..4126, 4202..4345, 4203..4358		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o1.ts	Method	TBLASTX:Soybean
Start	3769	End	4348
GI	none	Score	252
Exons	3769..3933, 3770..3922, 3771..3923, 3997..4128, 4001..4126, 4200..4280, 4202..4348, 4203..4346		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o1.tc	Method	TBLASTX:Cress
Start	3798	End	4345
GI	none	Score	192
Exons	3798..3923, 3799..3933, 3997..4128, 4001..4126, 4194..4280, 4202..4342, 4203..4343, 4208..4345		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o2.tm	Method	TBLASTX:Maize
Start	5126	End	7989
GI	none	Score	39
Exons	5126..5164, 5137..5178, 5284..5373, 5285..5374, 5497..5532, 5650..5889, 5663..5707, 5762..5887, 7939..7989		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o2.tc	Method	TBLASTX:Cress
Start	5245	End	5889

GI	none	Score	93
Exons	5245..5364, 5285..5371, 5500..5532, 5635..5889, 5663..5707, 5762..5887		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o2.ts	Method	TBLASTX:Soybean
Start	5288	End	8381
GI	none	Score	100
Exons	5288..5371, 5296..5364, 5499..5531, 5500..5532, 5662..5889, 5663..5707, 5762..5887, 7936..8046, 7952..8065, 8131..8364, 8137..8304, 8217..8381		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o4.tw	Method	TBLASTX:Wheat
Start	5759	End	8056
GI	none	Score	190
Exons	5759..5803, 5761..5889, 5762..5887, 7939..8004, 7952..8005, 8008..8052, 8009..8056, 8010..8054		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o3.tm	Method	TBLASTX:Maize
Start	8169	End	8374
GI	none	Score	311
Exons	8169..8366, 8207..8374, 8209..8364		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o3.tc	Method	TBLASTX:Cress
Start	8209	End	8364
GI	none	Score	240
Exons	8209..8364, 8217..8363		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o3.tw	Method	TBLASTX:Wheat
Start	8209	End	8553
GI	none	Score	270
Exons	8209..8364, 8217..8369, 8416..8553		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o4.tc	Method	TBLASTX:Cress
Start	8821	End	9427
GI	none	Score	138
Exons	8821..9015, 8873..9016, 9245..9427, 9247..9420		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-

Start	8869	End	11601
Name	OJ991112_01.0403.C17.o6.tm	Method	TBLASTX:Maize
Start	8869	End	10108
GI	none	Score	117
Exons	8869..8979, 8870..8995, 8873..8980, 8880..8996, 8971..9015, 8979..9026, 9242..9436, 9243..9437, 9244..9438, 9245..9439, 10007..10102, 10008..10100, 10025..10108		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o4.gs	Method	GENSCAN
Start	8869	End	11550
GI	none	Score	.93
Exons	8869..9013, 9248..9434, 10009..10171, 10848..11036, 11147..11409, 11415..11550		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o4.np	Method	AAT/NAP
Start	8875	End	11526
GI	3894172	Score	659
Exons	8875..9013, 9248..9434, 10009..10171, 10848..11036, 11147..11283, 11385..11526		
GI Descrip.	(AC005312) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o3.ts	Method	TBLASTX:Soybean
Start	8900	End	10971
GI	none	Score	108
Exons	8900..9004, 8902..9015, 9247..9435, 9251..9436, 10007..10171, 10008..10166, 10845..10970, 10849..10971		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o2.tw	Method	TBLASTX:Wheat
Start	9238	End	10173
GI	none	Score	197
Exons	9238..9432, 9245..9439, 9247..9435, 9291..9440, 10007..10165, 10008..10172, 10008..10172, 10105..10173		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17
Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o5.gp	Method	AAT/GAP
Start	10019	End	11601
GI	18047_1.R1084	Score	1286
Exons	10019..10170, 10846..11036, 11147..11331, 11415..11601		
GI Descrip.	'3894172 2.0e-30 (AC005312) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	38967	Seq. ID	OJ991112_01.0403.C17

Gene No.	80254	Strand	-
Start	8869	End	11601
Name	OJ991112_01.0403.C17.o4.tm	Method	TBLASTX:Maize
Start	10953	End	11520
GI	none	Score	121
Exons	10953..11039, 10954..11034, 11142..11207, 11147..11332, 11416..11514, 11467..11520		

Seq. No.	38968	Seq. ID	OJ991022_16.0303.C1
Gene No.	80255	Strand	
Start	2291	End	2778
Name	OJ991022_16.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	2291	End	2769
GI	none	Score	64
Exons	2291..2386, 2308..2379, 2380..2427, 2434..2592, 2437..2559, 2671..2769		

Seq. No.	38968	Seq. ID	OJ991022_16.0303.C1
Gene No.	80255	Strand	
Start	2291	End	2778
Name	OJ991022_16.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	2485	End	2778
GI	none	Score	81
Exons	2485..2592, 2583..2771, 2584..2778		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80256	Strand	+
Start	2658	End	2820
Name	OJ991022_16.0303.C2.o2.gp	Method	AAT/GAP
Start	2658	End	2820
GI	uC-osflcyp154c08a1	Score	272
Exons	2658..2820		
GI Descrip.	'5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80257	Strand	+
Start	6957	End	9567
Name	OJ991022_16.0303.C2.o2.gs	Method	GENSCAN
Start	6957	End	9567
GI	none	Score	.54
Exons	6957..7145, 9313..9567		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80258	Strand	+
Start	19214	End	19604
Name	OJ991022_16.0303.C2.o2.np	Method	AAT/NAP
Start	19214	End	19604
GI	7489553	Score	345
Exons	19214..19604		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi|2462640|emb|CAA73800.1| (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80259	Strand	-
Start	6546	End	6648

Name	OJ991022_16.0303.C2.o3.gp	Method	AAT/GAP
Start	6546	End	6648
GI	none	Score	120
Exons	6546..6648		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o3.gs	Method	GENSCAN
Start	9959	End	22261
GI	none	Score	.74
Exons	9959..11535, 11812..12186, 12407..12465, 13478..13671, 14153..14297, 14737..14920, 19951..20041, 21328..21375, 22095..22261		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o1.np	Method	AAT/NAP
Start	10146	End	11894
GI	6705984	Score	1358
Exons	10146..11894		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	10481	End	10717
GI	none	Score	87
Exons	10481..10717, 10487..10687, 10590..10712		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	10481	End	10717
GI	none	Score	87
Exons	10481..10717, 10487..10687, 10590..10712		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	10484	End	10954
GI	none	Score	97
Exons	10484..10672, 10496..10666, 10525..10668, 10673..10954, 10685..10885, 10698..10907		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	11345	End	11857
GI	none	Score	60
Exons	11345..11857, 11346..11387, 11351..11845		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	11456	End	11839
GI	none	Score	164
Exons	11456..11632, 11669..11839		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	11672	End	11857
GI	none	Score	150
Exons	11672..11857, 11673..11846		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	19388	End	19744
GI	none	Score	84
Exons	19388..19519, 19393..19485, 19545..19577, 19568..19654, 19569..19685, 19682..19744, 19683..19739		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	19931	End	20334
GI	none	Score	96
Exons	19931..19969, 19967..20095, 19968..20096, 20074..20118, 20118..20249, 20122..20334		

Seq. No.	38969	Seq. ID	OJ991022_16.0303.C2
Gene No.	80260	Strand	-
Start	9959	End	22261
Name	OJ991022_16.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	20157	End	20469
GI	none	Score	201
Exons	20157..20285, 20167..20376, 20197..20376, 20389..20469		

Seq. No.	38970	Seq. ID	OJ991022_16.0303.C3
Gene No.	80261	Strand	-
Start	614	End	995
Name	OJ991022_16.0303.C3.o1.gs	Method	GENSCAN
Start	614	End	995
GI	none	Score	.56
Exons	614..703, 720..776, 960..995		

Seq. No.	38971	Seq. ID	OJ991022_16.0303.C4
Gene No.	80262	Strand	-
Start	3211	End	5804
Name	OJ991022_16.0303.C4.o1.gp	Method	AAT/GAP
Start	3095	End	3615
GI	LIB3431-001-P1-N1-B5	Score	758
Exons	3095..3327, 3433..3615		

GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	38971	Seq. ID	OJ991022_16.0303.C4
Gene No.	80262	Strand	-
Start	3211	End	5804
Name	OJ991022_16.0303.C4.o2.gs	Method	GENSCAN
Start	3211	End	5804
GI	none	Score	.72
Exons	3211..3327, 3433..3604, 3771..3941, 4024..4856, 4938..5240, 5276..5586, 5675..5804		
Seq. No.	38971	Seq. ID	OJ991022_16.0303.C4
Gene No.	80262	Strand	-
Start	3211	End	5804
Name	OJ991022_16.0303.C4.o1.np	Method	AAT/NAP
Start	4476	End	5344
GI	4680204	Score	89
Exons	4476..4919, 4986..5344		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	38972	Seq. ID	OJ991022_16.0303.C5
Gene No.	80263	Strand	-
Start	1871	End	1969
Name	OJ991022_16.0303.C5.o1.gs	Method	GENSCAN
Start	1871	End	1969
GI	none	Score	.52
Exons	1871..1969		
Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.gp	Method	AAT/GAP
Start	1	End	773
GI	5002953	Score	962
Exons	1..383, 642..773		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	3222
GI	4680203	Score	1747
Exons	1..368, 645..875, 1029..1121, 1163..2738, 3199..3222		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	36	End	758
GI	none	Score	68
Exons	36..197, 40..180, 216..758, 268..714		
Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6

Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	45	End	471
GI	none	Score	68
Exons	45..197, 58..180, 216..467, 268..471		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	369	End	854
GI	none	Score	89
Exons	369..854, 376..525, 661..852		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o3.tw	Method	TBLASTX:Wheat
Start	762	End	1133
GI	none	Score	63
Exons	762..845, 763..834, 882..1133, 883..1083		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	891	End	1106
GI	none	Score	93
Exons	891..953, 960..1106, 970..1077		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	1484
GI	none	Score	98
Exons	1250..1483, 1329..1484		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	1319	End	1763
GI	none	Score	149
Exons	1319..1513, 1517..1642, 1596..1763		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o4.tw	Method	TBLASTX:Wheat
Start	1353	End	1703
GI	none	Score	100
Exons	1353..1514, 1358..1513, 1482..1589, 1517..1654, 1550..1609, 1584..1670, 1593..1661, 1662..1703		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6

Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	1608	End	1938
GI	none	Score	56
Exons	1608..1937, 1633..1683, 1650..1754, 1705..1764, 1801..1938		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	1686	End	2105
GI	none	Score	105
Exons	1686..1934, 1690..1935, 1984..2103, 1986..2105		

Seq. No.	38973	Seq. ID	OJ991022_16.0303.C6
Gene No.	80264	Strand	-
Start	1	End	3222
Name	OJ991022_16.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	1704	End	2384
GI	none	Score	64
Exons	1704..1829, 1833..1937, 1843..1938, 1984..2145, 1986..2384, 2263..2286		

Seq. No.	38974	Seq. ID	OJ991022_16.0303.C7
Gene No.	80265	Strand	+
Start	528	End	1148
Name	OJ991022_16.0303.C7.o1.gs	Method	GENSCAN
Start	528	End	1148
GI	none	Score	.78
Exons	528..624, 667..1148		

Seq. No.	38974	Seq. ID	OJ991022_16.0303.C7
Gene No.	80266	Strand	+
Start	2058	End	4033
Name	OJ991022_16.0303.C7.o1.np	Method	AAT/NAP
Start	2058	End	4033
GI	6721512	Score	102
Exons	2058..2085, 3722..3853, 3881..4033		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38974	Seq. ID	OJ991022_16.0303.C7
Gene No.	80267	Strand	-
Start	4324	End	4758
Name	OJ991022_16.0303.C7.o2.gs	Method	GENSCAN
Start	4324	End	4758
GI	none	Score	.46
Exons	4324..4426, 4678..4758		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.gs	Method	GENSCAN
Start	260	End	3934
GI	none	Score	.72
Exons	260..3934		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o3.tw	Method	TBLASTX:Wheat
Start	706	End	1103
GI	none	Score	128
Exons	706..804, 707..841, 818..1102, 892..1083, 921..1103		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.np	Method	AAT/NAP
Start	812	End	3956
GI	6630696	Score	5342
Exons	812..3956		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.gp	Method	AAT/GAP
Start	854	End	1744
GI	101595_1.R1084	Score	1439
Exons	854..1554, 1670..1744		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o4.tm	Method	TBLASTX:Maize
Start	854	End	1162
GI	none	Score	311
Exons	854..1162, 901..1083, 978..1097, 983..1159		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	1646	End	2055
GI	none	Score	390
Exons	1646..1996, 1665..1958, 1669..1959, 1961..2026, 1963..2055, 1970..2053		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o3.ts	Method	TBLASTX:Soybean
Start	2003	End	2383
GI	none	Score	90
Exons	2003..2152, 2135..2383		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956

Name	OJ991022_16.0303.C8.o3.tm	Method	TBLASTX:Maize
Start	2141	End	2605
GI	none	Score	313
Exons	2141..2605, 2380..2598		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o4.tw	Method	TBLASTX:Wheat
Start	2248	End	2448
GI	none	Score	275
Exons	2248..2448, 2249..2446, 2251..2448		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o2.ts	Method	TBLASTX:Soybean
Start	2393	End	2791
GI	none	Score	207
Exons	2393..2614, 2395..2610, 2618..2791		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	2449	End	3196
GI	none	Score	271
Exons	2449..2856, 2449..2946, 2456..3196, 3007..3192, 3014..3196		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	3116	End	3580
GI	5509260	Score	388
Exons	3116..3580, 3211..3372, 3299..3466		
GI Descrip.	-		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	3209	End	3469
GI	none	Score	291
Exons	3209..3469, 3211..3381		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	3250	End	3715
GI	none	Score	359
Exons	3250..3381, 3251..3715, 3386..3466, 3502..3612		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956

Name	OJ991022_16.0303.C8.o2.tw	Method	TBLASTX:Wheat
Start	3251	End	3796
GI	none	Score	316
Exons	3251..3595, 3268..3432, 3590..3796		

Seq. No.	38975	Seq. ID	OJ991022_16.0303.C8
Gene No.	80268	Strand	+
Start	260	End	3956
Name	OJ991022_16.0303.C8.o4.ts	Method	TBLASTX:Soybean
Start	3649	End	3889
GI	none	Score	146
Exons	3649..3813, 3650..3808, 3809..3889		

Seq. No.	38976	Seq. ID	OJ991022_16.0303.C9
Gene No.	80269	Strand	+
Start	1	End	1404
Name	OJ991022_16.0303.C9.o1.np	Method	AAT/NAP
Start	1	End	907
GI	4680186	Score	247
Exons	1..22, 702..907		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	38976	Seq. ID	OJ991022_16.0303.C9
Gene No.	80269	Strand	+
Start	1	End	1404
Name	OJ991022_16.0303.C9.o1.gs	Method	GENSCAN
Start	795	End	1404
GI	none	Score	.8
Exons	795..855, 1298..1404		

Seq. No.	38976	Seq. ID	OJ991022_16.0303.C9
Gene No.	80270	Strand	-
Start	453	End	835
Name	OJ991022_16.0303.C9.o1.gp	Method	AAT/GAP
Start	453	End	835
GI	uC-osflcyp033a04b1	Score	664
Exons	453..835		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	38976	Seq. ID	OJ991022_16.0303.C9
Gene No.	80271	Strand	-
Start	1297	End	2238
Name	OJ991022_16.0303.C9.o2.np	Method	AAT/NAP
Start	1297	End	2238
GI	6907087	Score	461
Exons	1297..1398, 1940..2238		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38976	Seq. ID	OJ991022_16.0303.C9
Gene No.	80271	Strand	-
Start	1297	End	2238
Name	OJ991022_16.0303.C9.o2.gs	Method	GENSCAN
Start	1716	End	2138
GI	none	Score	.77

Exons	1716..2138		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80272	Strand	+
Start	1	End	4582
Name	OJ991022_16.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	1669
GI	6630696	Score	1153
Exons	1..32, 880..1669		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80272	Strand	+
Start	1	End	4582
Name	OJ991022_16.0303.C10.o1.gs	Method	GENSCAN
Start	1169	End	4582
GI	none	Score	.6
Exons	1169..1622, 2478..2587, 2715..2858, 2982..3057, 3294..3419, 3593..3751, 3840..3968, 4310..4362, 4454..4582		

Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80273	Strand	+
Start	12868	End	13963
Name	OJ991022_16.0303.C10.o6.np	Method	AAT/NAP
Start	12868	End	13963
GI	7497004	Score	130
Exons	12868..12940, 13542..13846, 13929..13963		
GI Descrip.	hypothetical protein C34D4.11 - Caenorhabditis elegans gi|1330342|gb|AAB00696.1| (U58755) C34D4.11 gene product [Caenorhabditis elegans]		

Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80274	Strand	-
Start	1	End	271
Name	OJ991022_16.0303.C10.o1.gp	Method	AAT/GAP
Start	1	End	271
GI	2428308	Score	396
Exons	1..271		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-14 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	938	End	1213
GI	none	Score	307
Exons	938..1213, 940..1212		

Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1432
GI	none	Score	117

Exons	1058..1189, 1064..1189, 1207..1338, 1208..1432		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	1070	End	1545
GI	none	Score	105
Exons	1070..1144, 1075..1143, 1159..1545, 1160..1543		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o2.gs	Method	GENSCAN
Start	7406	End	14255
GI	none	Score	.49
Exons	7406..7577, 7650..7853, 8177..8321, 9411..9609, 9688..10112, 10276..10382, 12145..12217, 12996..13164, 13434..13769, 14137..14255		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o4.np	Method	AAT/NAP
Start	7598	End	9894
GI	479357	Score	859
Exons	7598..7673, 7976..8613, 8689..9609, 9688..9894		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o5.np	Method	AAT/NAP
Start	7710	End	10926
GI	6721515	Score	420
Exons	7710..7739, 8044..8514, 9286..9599, 9756..9931, 10859..10926		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	8089	End	8613
GI	none	Score	62
Exons	8089..8295, 8140..8271, 8296..8418, 8434..8613		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-
Start	7406	End	14255
Name	OJ991022_16.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	8686	End	9235
GI	none	Score	48
Exons	8686..8808, 8689..8883, 8893..8958, 8956..9234, 8957..9235		
Seq. No.	38977	Seq. ID	OJ991022_16.0303.C10
Gene No.	80275	Strand	-

Start	7406	End	14255
Name	OJ991022_16.0303.C10.o4.tm	Method	TBLASTX:Maize
Start	9241	End	9540
GI	none	Score	77
Exons	9241..9540, 9296..9412		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80276	Strand	+
Start	2300	End	5500
Name	OJ991022_16.0303.C11.o1.gs	Method	GENSCAN
Start	2300	End	5500
GI	none	Score	.59
Exons	2300..2350, 2447..2949, 3431..3920, 4002..4080, 4099..4337, 4494..4553, 4622..4735, 4817..5500		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80277	Strand	-
Start	1847	End	1966
Name	OJ991022_16.0303.C11.o1.np	Method	AAT/NAP
Start	1847	End	1966
GI	7248394	Score	64
Exons	1847..1966		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o2.np	Method	AAT/NAP
Start	4975	End	14899
GI	7248394	Score	1810
Exons	4975..5108, 7471..8514, 8781..9453, 14650..14899		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o3.ts	Method	TBLASTX:Soybean
Start	5785	End	6032
GI	none	Score	46
Exons	5785..5823, 5790..6032, 5896..6015		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o3.tw	Method	TBLASTX:Wheat
Start	5811	End	6218
GI	none	Score	113
Exons	5811..6218, 5845..6210		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o2.gs	Method	GENSCAN
Start	6288	End	12605
GI	none	Score	.41
Exons	6288..6475, 6604..8579, 8585..9061, 9177..9466, 10367..10416, 12389..12605		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o4.tw	Method	TBLASTX:Wheat
Start	6515	End	6904
GI	none	Score	174
Exons	6515..6571, 6602..6904		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o4.ts	Method	TBLASTX:Soybean
Start	6548	End	6829
GI	none	Score	81
Exons	6548..6829, 6549..6761		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o3.tm	Method	TBLASTX:Maize
Start	6602	End	6958
GI	none	Score	198
Exons	6602..6958		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	7145	End	7564
GI	none	Score	81
Exons	7145..7435, 7475..7564		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	7197	End	7609
GI	none	Score	135
Exons	7197..7451, 7199..7450, 7472..7609, 7476..7607		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o2.ts	Method	TBLASTX:Soybean
Start	7760	End	8230
GI	none	Score	89
Exons	7760..7948, 7773..7904, 7949..8230, 7992..8192		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o5.tw	Method	TBLASTX:Wheat
Start	7847	End	8228
GI	none	Score	37
Exons	7847..7948, 7851..7919, 7910..8227, 7914..8228		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	7916	End	8377
GI	none	Score	206
Exons	7916..8377, 7917..8228, 8111..8377		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	8265	End	8650
GI	none	Score	286
Exons	8265..8582, 8267..8587, 8289..8582, 8593..8649, 8603..8644, 8603..8650		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	8378	End	8596
GI	none	Score	213
Exons	8378..8587, 8379..8585, 8396..8596		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o1.gp	Method	AAT/GAP
Start	12743	End	13106
GI	71195_2.R1084	Score	660
Exons	12743..13106		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-14 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o3.gs	Method	GENSCAN
Start	14636	End	15972
GI	none	Score	.44
Exons	14636..14958, 15404..15568, 15844..15972		

Seq. No.	38978	Seq. ID	OJ991022_16.0303.C11
Gene No.	80278	Strand	-
Start	4975	End	16035
Name	OJ991022_16.0303.C11.o3.np	Method	AAT/NAP
Start	15494	End	16035
GI	7248393	Score	300

Exons	15494..15850, 15941..16035		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	38979	Seq. ID	OJ991022_16.0303.C12
Gene No.	80279	Strand	+
Start	286	End	1608
Name	OJ991022_16.0303.C12.o1.gs	Method	GENSCAN
Start	286	End	1608
GI	none	Score	.73
Exons	286..371, 1042..1199, 1406..1608		
Seq. No.	38979	Seq. ID	OJ991022_16.0303.C12
Gene No.	80280	Strand	-
Start	1	End	3317
Name	OJ991022_16.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	3317
GI	6523547	Score	56
Exons	1..70, 2169..2291, 3229..3317		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	38980	Seq. ID	OJ991022_16.0303.C13
Gene No.	80281	Strand	+
Start	632	End	4429
Name	OJ991022_16.0303.C13.o1.gs	Method	GENSCAN
Start	632	End	3776
GI	none	Score	.63
Exons	632..634, 1894..1954, 2227..2351, 2577..3776		
Seq. No.	38980	Seq. ID	OJ991022_16.0303.C13
Gene No.	80281	Strand	+
Start	632	End	4429
Name	OJ991022_16.0303.C13.o2.gp	Method	AAT/GAP
Start	1501	End	1807
GI	72524_1.R1084	Score	433
Exons	1501..1807		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	38980	Seq. ID	OJ991022_16.0303.C13
Gene No.	80281	Strand	+
Start	632	End	4429
Name	OJ991022_16.0303.C13.o1.np	Method	AAT/NAP
Start	1760	End	4429
GI	7106512	Score	1537
Exons	1760..1820, 1894..2060, 2306..2452, 2642..3692, 4213..4429		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	38980	Seq. ID	OJ991022_16.0303.C13
Gene No.	80282	Strand	-
Start	1502	End	1607
Name	OJ991022_16.0303.C13.o1.gp	Method	AAT/GAP
Start	1502	End	1607
GI	5816518	Score	153
Exons	1502..1607		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,		

similar sequence to Pib gene

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80283	Strand	+
Start	239	End	3628
Name	OJ991122_11.0317.C4.o1.gs	Method	GENSCAN
Start	239	End	3628
GI	none	Score	.53
Exons	239..440, 3241..3628		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80284	Strand	+
Start	4850	End	7779
Name	OJ991122_11.0317.C4.o2.np	Method	AAT/NAP
Start	4850	End	7779
GI	7340854	Score	642
Exons	4850..4912, 4977..5211, 7664..7779		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80285	Strand	+
Start	9763	End	13424
Name	OJ991122_11.0317.C4.o2.gp	Method	AAT/GAP
Start	9745	End	10112
GI	428542	Score	582
Exons	9745..10112		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80285	Strand	+
Start	9763	End	13424
Name	OJ991122_11.0317.C4.o3.gs	Method	GENSCAN
Start	9763	End	13424
GI	none	Score	.83
Exons	9763..10106, 11288..11405, 11501..11638, 12612..12760, 13247..13424		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80285	Strand	+
Start	9763	End	13424
Name	OJ991122_11.0317.C4.o3.np	Method	AAT/NAP
Start	9763	End	11701
GI	7340853	Score	1090
Exons	9763..10106, 11288..11405, 11501..11701		
GI Descrip.	(AP001551) EST D24694(R2388) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80286	Strand	-
Start	3223	End	3684
Name	OJ991122_11.0317.C4.o1.gp	Method	AAT/GAP
Start	3223	End	3684
GI	96783_1.R1084	Score	851
Exons	3223..3684		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4

Gene No.	80286	Strand	-
Start	3223	End	3684
Name	OJ991122_11.0317.C4.o1.np	Method	AAT/NAP
Start	3263	End	3586
GI	7340855	Score	527
Exons	3263..3586		
GI Descrip.	(AP001551) EST AU065411(R3610) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80287	Strand	-
Start	14458	End	17324
Name	OJ991122_11.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	9955	End	10117
GI	none	Score	190
Exons	9955..10107, 9996..10112, 10019..10117		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80287	Strand	-
Start	14458	End	17324
Name	OJ991122_11.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	11498	End	11715
GI	none	Score	282
Exons	11498..11713, 11500..11715		

Seq. No.	38981	Seq. ID	OJ991122_11.0317.C4
Gene No.	80287	Strand	-
Start	14458	End	17324
Name	OJ991122_11.0317.C4.o4.gs	Method	GENSCAN
Start	14458	End	17324
GI	none	Score	.75
Exons	14458..14530, 15693..15884, 17230..17324		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80288	Strand	+
Start	1	End	1956
Name	OJ991122_11.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	3834322	Score	900
Exons	1..205, 1147..1506, 1534..1944		
GI Descrip.	(AC005679) EST gb|R30300 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80288	Strand	+
Start	1	End	1956
Name	OJ991122_11.0317.C5.o1.gs	Method	GENSCAN
Start	8	End	1956
GI	none	Score	.83
Exons	8..205, 1150..1330, 1781..1956		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80288	Strand	+
Start	1	End	1956
Name	OJ991122_11.0317.C5.o1.gp	Method	AAT/GAP
Start	14	End	1409
GI	39951_2.R1084	Score	811

Exons	14..205, 1150..1409		
GI Descrip.	'2832617/emb|CAA16746.1| 6.0e-26 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	60	End	2052
GI	none	Score	106
Exons	60..125, 80..133, 100..135, 134..205, 136..198, 167..205, 1147..1254, 1149..1256, 1149..1298, 1302..1700, 1303..1701, 1480..1701, 1698..1889, 1699..1926, 1712..1921, 1978..2052, 1979..2047		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	80	End	205
GI	none	Score	212
Exons	80..205, 97..198		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	80	End	205
GI	none	Score	213
Exons	80..205, 97..198		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	1326	End	1944
GI	none	Score	210
Exons	1326..1526, 1327..1617, 1518..1574, 1629..1691, 1677..1754, 1681..1758, 1779..1838, 1780..1839, 1840..1911, 1854..1889, 1900..1944, 1920..1943		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	1455	End	1830
GI	none	Score	194
Exons	1455..1670, 1455..1700, 1459..1710, 1642..1701, 1683..1829, 1698..1829, 1699..1830, 1714..1830		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o2.gs	Method	GENSCAN
Start	2221	End	4613
GI	none	Score	.52
Exons	2221..2407, 3224..3368, 3524..3698, 3750..3797, 4341..4613		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o2.np	Method	AAT/NAP
Start	4374	End	5726
GI	1076748	Score	264
Exons	4374..4529, 5499..5726		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o3.gs	Method	GENSCAN
Start	5412	End	5873
GI	none	Score	.47
Exons	5412..5873		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	5498	End	5741
GI	none	Score	307
Exons	5498..5725, 5499..5741		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	5499	End	5741
GI	none	Score	278
Exons	5499..5741, 5504..5725		

Seq. No.	38982	Seq. ID	OJ991122_11.0317.C5
Gene No.	80289	Strand	+
Start	2221	End	5873
Name	OJ991122_11.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	5499	End	5741
GI	none	Score	263
Exons	5499..5741, 5504..5725		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80290	Strand	+
Start	1	End	765
Name	OJ991122_11.0317.C6.o1.gp	Method	AAT/GAP
Start	1	End	590
GI	LIB3475-011-P1-K1-D2	Score	236
Exons	1..45, 130..191, 546..590		
GI Descrip.	'5139541/emb|CAB45652.1| 5.0e-18 (AJ243308) nodulin26-like major intrinsic protein [Pisum sativum]'		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80290	Strand	+
Start	1	End	765
Name	OJ991122_11.0317.C6.o1.np	Method	AAT/NAP

Start	1	End	765
GI	1076748	Score	333
Exons	1..45, 130..191, 546..765		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80290	Strand	+
Start	1	End	765
Name	OJ991122_11.0317.C6.o1.gs	Method	GENSCAN
Start	130	End	759
GI	none	Score	.44
Exons	130..191, 546..759		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80291	Strand	+
Start	3435	End	7510
Name	OJ991122_11.0317.C6.o2.gs	Method	GENSCAN
Start	3435	End	7510
GI	none	Score	.47
Exons	3435..3573, 4139..4321, 4634..4677, 6544..6743, 6939..7083, 7418..7510		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	735
GI	none	Score	71
Exons	1..48, 514..735, 537..713		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	735
GI	none	Score	71
Exons	1..48, 3..71, 514..735, 546..713		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	735
GI	none	Score	72
Exons	1..48, 4..45, 120..197, 535..735, 546..713		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	129	End	738
GI	none	Score	242
Exons	129..200, 535..735, 546..713, 679..738		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-

Start	8730	End	11494
Name	OJ991122_11.0317.C6.o3.gs	Method	GENSCAN
Start	8730	End	11488
GI	none	Score	.7
Exons	8730..8977, 9013..9052, 11297..11488		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o2.np	Method	AAT/NAP
Start	8754	End	11494
GI	7488365	Score	393
Exons	8754..8977, 10912..10952, 11124..11185, 11297..11494		
GI Descrip.	TFL1 protein homolog F9F13.20 - Arabidopsis thaliana gi|4903016|dbj|BAA77840.1| (AB027506) TSF [Arabidopsis thaliana] gi|5262160|emb|CAB45803.1| (AL080253) TFL1 like protein [Arabidopsis thaliana] gi|6117980|gb|AAF03937.1|AF152907_1 (AF152907) twin sister of FT [Arabidopsis thaliana] gi|7268833|emb|CAB79037.1| (AL161553) TFL1 like protein [Arabidopsis thaliana]		

Seq. No.	38983	Seq. ID	OJ991122_11.0317.C6
Gene No.	80292	Strand	-
Start	8730	End	11494
Name	OJ991122_11.0317.C6.o2.tc	Method	TBLASTX:Cress
Start	8791	End	11470
GI	none	Score	61
Exons	8791..8856, 8802..8864, 8892..8978, 8901..8972, 10841..10960, 11123..11215, 11123..11185, 11288..11326, 11321..11470, 11327..11470		

Seq. No.	38984	Seq. ID	OJ991122_11.0317.C7
Gene No.	80293	Strand	+
Start	4963	End	5527
Name	OJ991122_11.0317.C7.o1.gs	Method	GENSCAN
Start	4963	End	5527
GI	none	Score	.51
Exons	4963..5313, 5396..5527		

Seq. No.	38984	Seq. ID	OJ991122_11.0317.C7
Gene No.	80294	Strand	-
Start	1440	End	4221
Name	OJ991122_11.0317.C7.o1.np	Method	AAT/NAP
Start	1440	End	4221
GI	4512673	Score	362
Exons	1440..1493, 2132..2209, 2589..2680, 2857..2965, 3299..3571, 3725..3859, 4104..4221		
GI Descrip.	(AC006931) putative phosphoprotein phosphatase [Arabidopsis thaliana]		

Seq. No.	38984	Seq. ID	OJ991122_11.0317.C7
Gene No.	80295	Strand	-
Start	7991	End	8449
Name	OJ991122_11.0317.C7.o2.gs	Method	GENSCAN
Start	7991	End	8302
GI	none	Score	.54
Exons	7991..8302		

Seq. No.	38984	Seq. ID	OJ991122_11.0317.C7
Gene No.	80295	Strand	-
Start	7991	End	8449
Name	OJ991122_11.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	8000	End	8347
GI	none	Score	87
Exons	8000..8104, 8001..8105, 8102..8185, 8122..8181, 8186..8218, 8186..8218, 8289..8327, 8297..8347		

Seq. No.	38984	Seq. ID	OJ991122_11.0317.C7
Gene No.	80295	Strand	-
Start	7991	End	8449
Name	OJ991122_11.0317.C7.o2.np	Method	AAT/NAP
Start	8003	End	8449
GI	7489603	Score	102
Exons	8003..8298, 8400..8449		
GI Descrip.	zinc-finger protein R2931 - rice gi|3618316|dbj|BAA33204.1| (AB001886) zinc finger protein [Oryza sativa]		

Seq. No.	38985	Seq. ID	OJ991122_11.0317.C8
Gene No.	80296	Strand	+
Start	2576	End	3145
Name	OJ991122_11.0317.C8.o1.gs	Method	GENSCAN
Start	2576	End	3145
GI	none	Score	.97
Exons	2576..3145		

Seq. No.	38985	Seq. ID	OJ991122_11.0317.C8
Gene No.	80297	Strand	+
Start	6583	End	7726
Name	OJ991122_11.0317.C8.o2.gs	Method	GENSCAN
Start	6583	End	7726
GI	none	Score	.45
Exons	6583..6585, 6749..6851, 7106..7258, 7620..7726		

Seq. No.	38985	Seq. ID	OJ991122_11.0317.C8
Gene No.	80298	Strand	-
Start	1665	End	1746
Name	OJ991122_11.0317.C8.o1.gp	Method	AAT/GAP
Start	1665	End	1746
GI	38012_1.R1084	Score	91
Exons	1665..1746		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	38985	Seq. ID	OJ991122_11.0317.C8
Gene No.	80299	Strand	-
Start	12670	End	14736
Name	OJ991122_11.0317.C8.o3.gs	Method	GENSCAN
Start	12670	End	14736
GI	none	Score	.61
Exons	12670..12696, 13931..14060, 14711..14736		

Seq. No.	38985	Seq. ID	OJ991122_11.0317.C8
Gene No.	80300	Strand	-
Start	15996	End	16508

Name	OJ991122_11.0317.C8.o4.gs	Method	GENSCAN
Start	15996	End	16508
GI	none	Score	.82
Exons	15996..16117, 16458..16508		

Seq. No.	38986	Seq. ID	OJ991122_11.0317.C9
Gene No.	80301	Strand	+
Start	123	End	1981
Name	OJ991122_11.0317.C9.o1.gs	Method	GENSCAN
Start	123	End	1981
GI	none	Score	.56
Exons	123..239, 689..806, 1866..1981		

Seq. No.	38987	Seq. ID	OJ991122_11.0317.C10
Gene No.	80302	Strand	+
Start	1272	End	2821
Name	OJ991122_11.0317.C10.o1.np	Method	AAT/NAP
Start	1272	End	2821
GI	6983857	Score	1251
Exons	1272..1391, 1455..2014, 2185..2645, 2677..2821		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	38988	Seq. ID	OJ991122_11.0317.C11
Gene No.	80303	Strand	+
Start	19271	End	19748
Name	OJ991122_11.0317.C11.o1.gp	Method	AAT/GAP
Start	19271	End	19748
GI	4878274	Score	895
Exons	19271..19748		

Seq. No.	38988	Seq. ID	OJ991122_11.0317.C11
Gene No.	80304	Strand	-
Start	12281	End	15855
Name	OJ991122_11.0317.C11.o3.gs	Method	GENSCAN
Start	12281	End	15855
GI	none	Score	.5
Exons	12281..12667, 14731..15105, 15805..15855		

Seq. No.	38988	Seq. ID	OJ991122_11.0317.C11
Gene No.	80304	Strand	-
Start	12281	End	15855
Name	OJ991122_11.0317.C11.o1.np	Method	AAT/NAP
Start	12284	End	13380
GI	6815053	Score	704
Exons	12284..12521, 12571..12726, 13227..13380		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80305	Strand	+
Start	474	End	6012
Name	OJ991122_19.0330.C1.o1.gs	Method	GENSCAN
Start	474	End	6012
GI	none	Score	.63
Exons	474..518, 891..1021, 3784..3794, 5822..6012		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80306	Strand	+

Start	6133	End	10384
Name	OJ991122_19.0330.C1.o1.np	Method	AAT/NAP
Start	6133	End	10381
GI	6907089	Score	3517
Exons	6133..6158, 7528..8403, 8503..10381		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80306	Strand	+
Start	6133	End	10384
Name	OJ991122_19.0330.C1.o1.gp	Method	AAT/GAP
Start	7088	End	7549
GI	LIB3432-059-P1-K1-D8	Score	727
Exons	7088..7549		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80306	Strand	+
Start	6133	End	10384
Name	OJ991122_19.0330.C1.o2.gs	Method	GENSCAN
Start	7526	End	10384
GI	none	Score	.86
Exons	7526..8403, 8503..8944, 9017..10384		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80307	Strand	+
Start	18217	End	19942
Name	OJ991122_19.0330.C1.o3.np	Method	AAT/NAP
Start	18217	End	19942
GI	6721516	Score	583
Exons	18217..18458, 18874..19198, 19772..19942		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80308	Strand	+
Start	20685	End	33277
Name	OJ991122_19.0330.C1.o4.gs	Method	GENSCAN
Start	20685	End	33277
GI	none	Score	.67
Exons	20685..20984, 22054..22237, 22335..22444, 23138..23292, 23356..23599, 23772..23927, 24213..24489, 26633..26701, 26826..26929, 27388..27678, 28252..28347, 28450..28551, 28808..28878, 30410..31141, 31537..31696, 31804..31959, 32142..32267, 32894..33277		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80308	Strand	+
Start	20685	End	33277
Name	OJ991122_19.0330.C1.o4.np	Method	AAT/NAP
Start	20688	End	24888
GI	6587808	Score	1243
Exons	20688..20863, 21537..21630, 22054..22237, 22335..22444, 22941..23036, 23138..23599, 23772..23927, 24213..24442, 24861..24888		
GI Descrip.	(AC010924) Contains similarity to gb|AF151801 CGI-43 protein from Homo sapiens. EST gb|AI999800 comes from this gene.		

[Arabidopsis thaliana]

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80308	Strand	+
Start	20685	End	33277
Name	OJ991122_19.0330.C1.o2.gp	Method	AAT/GAP
Start	24310	End	25243
GI	none	Score	1000
Exons	24310..24442, 24861..25243		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80309	Strand	+
Start	36903	End	41173
Name	OJ991122_19.0330.C1.o7.gs	Method	GENSCAN
Start	36903	End	41173
GI	none	Score	.54
Exons	36903..36958, 37460..37527, 38762..39047, 40665..40860, 40958..41173		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80309	Strand	+
Start	36903	End	41173
Name	OJ991122_19.0330.C1.o4.gp	Method	AAT/GAP
Start	40574	End	41080
GI	LIB3432-018-P1-K1-G3	Score	772
Exons	40574..40860, 40958..41080		
GI Descrip.	'2130105/pir||S53521 3.0e-26 histone H2A type 2 (clone wcH2A-4) - wheat >gi_536892_dbj_BAA07278_ (D38089) protein H2A [Triticum aestivum] >gi_536896_dbj_BAA07280_ (D38091) protein H2A [Triticum aestivum]'		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80309	Strand	+
Start	36903	End	41173
Name	OJ991122_19.0330.C1.o6.np	Method	AAT/NAP
Start	40672	End	41170
GI	2130105	Score	573
Exons	40672..40860, 40958..41170		
GI Descrip.	histone H2A type 2 (clone wcH2A-4) - wheat gi|536892|dbj|BAA07278| (D38089) protein H2A [Triticum aestivum] gi|536896|dbj|BAA07280| (D38091) protein H2A [Triticum aestivum]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80310	Strand	+
Start	49967	End	50471
Name	OJ991122_19.0330.C1.o7.np	Method	AAT/NAP
Start	49967	End	50471
GI	6523547	Score	54
Exons	49967..50177, 50335..50471		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80311	Strand	-
Start	11031	End	18215
Name	OJ991122_19.0330.C1.o2.np	Method	AAT/NAP
Start	11031	End	18215

GI	7228457	Score	6630
Exons	11031..12581, 12648..13799, 13922..14756, 14820..15370, 18180..18215		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80312	Strand	-
Start	33309	End	33547
Name	OJ991122_19.0330.C1.o3.gp	Method	AAT/GAP
Start	33309	End	33547
GI	3107103	Score	411
Exons	33309..33547		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80313	Strand	-
Start	33861	End	36744
Name	OJ991122_19.0330.C1.o5.gs	Method	GENSCAN
Start	33861	End	34695
GI	none	Score	.74
Exons	33861..34480, 34689..34695		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80313	Strand	-
Start	33861	End	36744
Name	OJ991122_19.0330.C1.o5.np	Method	AAT/NAP
Start	33888	End	36732
GI	4008006	Score	1029
Exons	33888..34474, 35406..36732		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80313	Strand	-
Start	33861	End	36744
Name	OJ991122_19.0330.C1.o6.gs	Method	GENSCAN
Start	35302	End	36744
GI	none	Score	.91
Exons	35302..36744		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o6.tw	Method	TBLASTX:Wheat
Start	11040	End	11642
GI	none	Score	77
Exons	11040..11165, 11044..11166, 11358..11642, 11359..11637		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o4.tw	Method	TBLASTX:Wheat
Start	11643	End	12024
GI	none	Score	167
Exons	11643..12023, 11674..11922, 11968..12024		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1

Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o5.tm	Method	TBLASTX:Maize
Start	11838	End	12161
GI	none	Score	185
Exons	11838..12161, 11851..12132		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o8.tw	Method	TBLASTX:Wheat
Start	12354	End	12666
GI	none	Score	73
Exons	12354..12614, 12465..12635, 12490..12666		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o5.tw	Method	TBLASTX:Wheat
Start	12669	End	13103
GI	none	Score	83
Exons	12669..12818, 12670..12807, 12865..13038, 12876..13103, 12879..13103		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o9.tm	Method	TBLASTX:Maize
Start	13476	End	21630
GI	none	Score	273
Exons	13476..13577, 20684..20863, 20685..20864, 21492..21629, 21529..21630, 21535..21621, 21537..21629		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o4.ts	Method	TBLASTX:Soybean
Start	13728	End	14099
GI	none	Score	90
Exons	13728..14099, 13939..14082		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o2.tw	Method	TBLASTX:Wheat
Start	13753	End	14177
GI	none	Score	326
Exons	13753..14172, 13758..14177		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o4.tm	Method	TBLASTX:Maize
Start	13851	End	14235
GI	none	Score	217
Exons	13851..14234, 13870..14235		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o3.tm	Method	TBLASTX:Maize
Start	14262	End	14618
GI	none	Score	111
Exons	14262..14567, 14262..14618, 14263..14583		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	14286	End	14749
GI	none	Score	395
Exons	14286..14747, 14287..14748, 14306..14749		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o8.ts	Method	TBLASTX:Soybean
Start	14343	End	14708
GI	none	Score	116
Exons	14343..14477, 14484..14708		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o3.tw	Method	TBLASTX:Wheat
Start	14916	End	15359
GI	none	Score	176
Exons	14916..15359, 14944..15204, 15237..15359		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o11.ts	Method	TBLASTX:Soybean
Start	20697	End	21632
GI	none	Score	186
Exons	20697..20864, 20777..20863, 21534..21632, 21535..21621		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	22142	End	23940
GI	none	Score	80
Exons	22142..22219, 22142..22231, 22143..22235, 22144..22236, 22320..22442, 22331..22444, 22923..23036, 22935..23036, 22937..23038, 22940..23038, 23136..23297, 23137..23277, 23137..23304, 23165..23293, 23193..23294, 23353..23598, 23354..23605, 23355..23600, 23772..23927, 23773..23940, 23773..23940		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o9.ts	Method	TBLASTX:Soybean

Start	23327	End	23572
GI	none	Score	190
Exons	23327..23572, 23340..23504, 23353..23565		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o7.ts	Method	TBLASTX:Soybean
Start	23772	End	23941
GI	none	Score	194
Exons	23772..23927, 23774..23941, 23800..23940, 23849..23941		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o10.ts	Method	TBLASTX:Soybean
Start	24204	End	24377
GI	none	Score	186
Exons	24204..24377, 24299..24376		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o2.tm	Method	TBLASTX:Maize
Start	30716	End	31381
GI	none	Score	35
Exons	30716..30739, 30730..30951, 30734..31000, 30902..31141, 30953..31096, 30957..31145, 30966..31142, 31256..31330, 31257..31379, 31257..31379, 31258..31380, 31259..31381		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	33885	End	34397
GI	none	Score	125
Exons	33885..34121, 33901..34137, 34152..34274, 34207..34275, 34332..34397		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o1.tc	Method	TBLASTX:Cress
Start	33927	End	36552
GI	none	Score	69
Exons	33927..34031, 33934..34032, 34012..34122, 34017..34121, 34152..34265, 34213..34269, 34260..34331, 34276..34314, 34332..34412, 35458..35613, 35626..35751, 36064..36144, 36178..36396, 36190..36552, 36191..36529		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o7.tm	Method	TBLASTX:Maize
Start	33927	End	36361
GI	none	Score	115
Exons	33927..34031, 33927..34121, 33934..34122, 34143..34265,		

34207..34257, 34332..34466, 34360..34410, 36209..36361

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o10.tm	Method	TBLASTX:Maize
Start	35458	End	35715
GI	none	Score	84
Exons	35458..35616, 35528..35617, 35620..35715, 35621..35686		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o5.ts	Method	TBLASTX:Soybean
Start	35482	End	35796
GI	none	Score	49
Exons	35482..35616, 35572..35613, 35609..35758, 35611..35796		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o3.ts	Method	TBLASTX:Soybean
Start	36064	End	36552
GI	none	Score	102
Exons	36064..36135, 36190..36522, 36190..36552, 36377..36529		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o7.tw	Method	TBLASTX:Wheat
Start	40550	End	41127
GI	none	Score	44
Exons	40550..40597, 40683..40772, 40689..40769, 40734..40787, 40741..40821, 40952..41125, 40955..41065, 40957..41127		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o8.tm	Method	TBLASTX:Maize
Start	40668	End	41170
GI	none	Score	113
Exons	40668..40769, 40719..40793, 40741..40821, 40952..41170, 40955..41122, 40957..41136		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o2.ts	Method	TBLASTX:Soybean
Start	40686	End	41170
GI	none	Score	82
Exons	40686..40772, 40719..40793, 40741..40821, 40952..41170, 40957..41136		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o2.tc	Method	TBLASTX:Cress

Start	40710	End	41136
GI	none	Score	37
Exons	40710..40754, 40728..40793, 40741..40821, 40952..41125, 40955..41065, 40957..41136		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o5.gp	Method	AAT/GAP
Start	46589	End	48140
GI	2428977	Score	698
Exons	46589..46902, 47397..47453, 48094..48140		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o6.ts	Method	TBLASTX:Soybean
Start	46665	End	49247
GI	none	Score	68
Exons	46665..46817, 46677..46745, 48097..48285, 48099..48284, 49010..49084, 49015..49083, 49016..49084, 49176..49247, 49176..49238, 49178..49246		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o11.tm	Method	TBLASTX:Maize
Start	46677	End	50385
GI	none	Score	109
Exons	46677..46814, 46679..46864, 48093..48212, 48093..48212, 48094..48213, 50295..50339, 50341..50385		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o9.gs	Method	GENSCAN
Start	48010	End	50887
GI	none	Score	.57
Exons	48010..48049, 48094..48284, 49178..49312, 49561..49643, 50561..50632, 50718..50887		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o6.tm	Method	TBLASTX:Maize
Start	48215	End	49412
GI	none	Score	105
Exons	48215..48283, 48216..48287, 48216..48284, 49014..49085, 49015..49083, 49016..49087, 49016..49084, 49176..49412, 49178..49333		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o6.gp	Method	AAT/GAP
Start	49234	End	49789
GI	LIB3432-029-P1-K1-D10	Score	781

Exons	49234..49596, 49741..49789		
GI Descrip.	'5902400/gb|AAD55502.1|AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	38989	Seq. ID	OJ991122_19.0330.C1
Gene No.	80314	Strand	-
Start	46589	End	50887
Name	OJ991122_19.0330.C1.o7.gp	Method	AAT/GAP
Start	50360	End	50846
GI	5004769	Score	628
Exons	50360..50559, 50716..50846		

Seq. No.	38990	Seq. ID	OJ991122_19.0330.C2
Gene No.	80315	Strand	-
Start	1	End	1154
Name	OJ991122_19.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	7248392	Score	109
Exons	1..287, 1059..1154		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	38990	Seq. ID	OJ991122_19.0330.C2
Gene No.	80315	Strand	-
Start	1	End	1154
Name	OJ991122_19.0330.C2.o1.gs	Method	GENSCAN
Start	339	End	546
GI	none	Score	.42
Exons	339..546		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o2.np	Method	AAT/NAP
Start	1	End	8437
GI	4505323	Score	83
Exons	1..39, 3473..3695, 4165..4257, 5476..5572, 8406..8437		
GI Descrip.	Wiskott-Aldrich syndrome-like gi|2116984|dbj|BAA20128| (D88460) N-WASP [Homo sapiens]		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o1.gs	Method	GENSCAN
Start	365	End	406
GI	none	Score	.81
Exons	365..406		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o1.np	Method	AAT/NAP
Start	1514	End	3503
GI	7484931	Score	81
Exons	1514..1660, 1706..1821, 3476..3503		
GI Descrip.	DNA-binding protein homolog F21E10.14 - Arabidopsis thaliana gi|3047087|gb|AAC13600.1| (AF058914) contains similarity to SRF-type transcription factor DNA-binding and dimerization		

domain (Pfam: transcript_fact.hmm, score 63.38) [Arabidopsis thaliana]

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o2.gs	Method	GENSCAN
Start	1649	End	4483
GI	none	Score	.47
Exons	1649..1983, 2540..2619, 3465..4483		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o3.np	Method	AAT/NAP
Start	4378	End	9959
GI	4220486	Score	377
Exons	4378..4422, 5563..5850, 8920..9061, 9134..9231, 9678..9959		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80316	Strand	+
Start	1	End	10384
Name	OJ991122_19.0330.C3.o4.gs	Method	GENSCAN
Start	8176	End	10384
GI	none	Score	.64
Exons	8176..8235, 8920..9230, 9671..9872, 10256..10384		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80317	Strand	-
Start	13395	End	13461
Name	OJ991122_19.0330.C3.o1.tw	Method	TBLASTX:Wheat
Start	1508	End	1867
GI	none	Score	100
Exons	1508..1675, 1522..1683, 1684..1857, 1703..1867		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80317	Strand	-
Start	13395	End	13461
Name	OJ991122_19.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	9034	End	9746
GI	none	Score	167
Exons	9034..9174, 9034..9180, 9175..9231, 9177..9248, 9178..9237, 9675..9728, 9729..9746		

Seq. No.	38991	Seq. ID	OJ991122_19.0330.C3
Gene No.	80317	Strand	-
Start	13395	End	13461
Name	OJ991122_19.0330.C3.o5.gs	Method	GENSCAN
Start	13395	End	13461
GI	none	Score	.62
Exons	13395..13461		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80318	Strand	+
Start	776	End	1895
Name	OJ991122_19.0330.C4.o1.np	Method	AAT/NAP

Start	776	End	1865
GI	7446182	Score	691
Exons	776..908, 1041..1170, 1275..1865		
GI Descrip.	probable myb factor - rice gi|1945283|emb|CAA72186.1| (Y11351) myb factor [Oryza sativa]		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80318	Strand	+
Start	776	End	1895
Name	OJ991122_19.0330.C4.o1.gs	Method	GENSCAN
Start	823	End	1895
GI	none	Score	.81
Exons	823..948, 1041..1170, 1285..1895		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80319	Strand	+
Start	6072	End	8610
Name	OJ991122_19.0330.C4.o2.gs	Method	GENSCAN
Start	6072	End	8610
GI	none	Score	.44
Exons	6072..6104, 6497..6547, 7817..7990, 8494..8610		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80320	Strand	+
Start	10179	End	10283
Name	OJ991122_19.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	739	End	1452
GI	none	Score	227
Exons	739..909, 785..910, 1031..1183, 1039..1200, 1272..1376, 1273..1452		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80320	Strand	+
Start	10179	End	10283
Name	OJ991122_19.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	763	End	1389
GI	none	Score	171
Exons	763..810, 802..912, 806..910, 1030..1173, 1031..1183, 1272..1385, 1272..1376, 1273..1389		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80320	Strand	+
Start	10179	End	10283
Name	OJ991122_19.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	766	End	1389
GI	none	Score	140
Exons	766..912, 788..910, 1030..1173, 1031..1183, 1272..1376, 1273..1389		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80320	Strand	+
Start	10179	End	10283
Name	OJ991122_19.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	775	End	1800
GI	none	Score	230
Exons	775..918, 785..910, 1030..1182, 1031..1183, 1272..1376, 1273..1398, 1519..1569, 1696..1725, 1783..1800		

Seq. No.	38992	Seq. ID	OJ991122_19.0330.C4
Gene No.	80320	Strand	+
Start	10179	End	10283
Name	OJ991122_19.0330.C4.o2.np	Method	AAT/NAP
Start	10179	End	10283
GI	5852175	Score	27
Exons	10179..10283		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	38993	Seq. ID	OJ991122_19.0330.C5
Gene No.	80321	Strand	+
Start	288	End	359
Name	OJ991122_19.0330.C5.o1.gs	Method	GENSCAN
Start	288	End	359
GI	none	Score	.93
Exons	288..359		

Seq. No.	38993	Seq. ID	OJ991122_19.0330.C5
Gene No.	80322	Strand	-
Start	5880	End	9736
Name	OJ991122_19.0330.C5.o1.np	Method	AAT/NAP
Start	5880	End	9736
GI	514324	Score	247
Exons	5880..6100, 7134..7225, 7315..7412, 7796..7970, 8616..8701, 9213..9330, 9453..9557, 9697..9736		
GI Descrip.	(L34773) RNA polymerase subunit [Arabidopsis thaliana] gi|2462755 (AC002292) RNA polymerase subunit (isoform B) [Arabidopsis thaliana] gi|1586550|prf||2204246B RNA polymerase [Arabidopsis thaliana]		

Seq. No.	38994	Seq. ID	OJ991122_19.0330.C6
Gene No.	80323	Strand	-
Start	445	End	10056
Name	OJ991122_19.0330.C6.o1.gs	Method	GENSCAN
Start	445	End	10056
GI	none	Score	.8
Exons	445..933, 3409..3476, 3565..3707, 3811..3868, 3991..4348, 4437..4521, 4636..4910, 4991..5223, 5626..5911, 10018..10056		

Seq. No.	38994	Seq. ID	OJ991122_19.0330.C6
Gene No.	80323	Strand	-
Start	445	End	10056
Name	OJ991122_19.0330.C6.o1.gp	Method	AAT/GAP
Start	3044	End	4208
GI	none	Score	1787
Exons	3044..3707, 3811..3868, 3991..4208		

Seq. No.	38994	Seq. ID	OJ991122_19.0330.C6
Gene No.	80323	Strand	-
Start	445	End	10056
Name	OJ991122_19.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	3485	End	4042
GI	none	Score	50
Exons	3485..3535, 3507..3539, 3527..3595, 3528..3593, 3581..3709, 3582..3710, 3805..3870, 3810..3869, 3986..4042		

Seq. No.	38994	Seq. ID	OJ991122_19.0330.C6
Gene No.	80323	Strand	-
Start	445	End	10056
Name	OJ991122_19.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	3492	End	3870
GI	none	Score	36
Exons	3492..3533, 3527..3628, 3540..3629, 3617..3709, 3810..3869, 3811..3870		

Seq. No.	38994	Seq. ID	OJ991122_19.0330.C6
Gene No.	80323	Strand	-
Start	445	End	10056
Name	OJ991122_19.0330.C6.o2.gp	Method	AAT/GAP
Start	5048	End	5881
GI	none	Score	724
Exons	5048..5238, 5675..5881		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80324	Strand	+
Start	7239	End	9065
Name	OJ991122_19.0330.C7.o2.gs	Method	GENSCAN
Start	7239	End	9065
GI	none	Score	.7
Exons	7239..7269, 7983..8069, 8980..9065		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80325	Strand	+
Start	15913	End	19697
Name	OJ991122_19.0330.C7.o4.gs	Method	GENSCAN
Start	15913	End	19697
GI	none	Score	.64
Exons	15913..16004, 16150..16237, 16898..16968, 17215..17296, 18240..18352, 19256..19274, 19512..19697		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80326	Strand	+
Start	21503	End	22263
Name	OJ991122_19.0330.C7.o1.np	Method	AAT/NAP
Start	21503	End	22263
GI	6016874	Score	101
Exons	21503..21604, 22040..22263		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80327	Strand	-
Start	4332	End	4973
Name	OJ991122_19.0330.C7.o1.gs	Method	GENSCAN
Start	4332	End	4973
GI	none	Score	.6
Exons	4332..4973		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80328	Strand	-
Start	21530	End	24263
Name	OJ991122_19.0330.C7.o5.gs	Method	GENSCAN

Start	21530	End	24263
GI	none	Score	.82
Exons	21530..22038, 22087..22516, 22536..22623, 24217..24263		

Seq. No.	38995	Seq. ID	OJ991122_19.0330.C7
Gene No.	80328	Strand	-
Start	21530	End	24263
Name	OJ991122_19.0330.C7.o1.gp	Method	AAT/GAP
Start	23831	End	24111
GI	3762147	Score	466
Exons	23831..24111		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80329	Strand	+
Start	305	End	896
Name	OJ991122_19.0330.C8.o1.gs	Method	GENSCAN
Start	305	End	896
GI	none	Score	.73
Exons	305..373, 780..896		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80330	Strand	-
Start	2782	End	3282
Name	OJ991122_19.0330.C8.o2.gs	Method	GENSCAN
Start	2782	End	3282
GI	none	Score	.62
Exons	2782..2978, 3180..3282		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o3.gs	Method	GENSCAN
Start	7796	End	13840
GI	none	Score	.67
Exons	7796..8083, 8705..8935, 9103..9360, 9458..10930, 11032..11190, 11303..11358, 11715..11841, 11929..12738, 13229..13465, 13542..13695, 13782..13840		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.np	Method	AAT/NAP
Start	8684	End	14210
GI	5902400	Score	2943
Exons	8684..8935, 9103..9360, 9458..10609, 10772..10924, 11029..11190, 11303..11429, 11510..11841, 11929..12738, 13127..13465, 13542..13695, 13782..14210		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	8687	End	9760
GI	none	Score	222
Exons	8687..8926, 8688..8846, 9103..9234, 9104..9223, 9106..9237, 9220..9363, 9239..9364, 9455..9760, 9456..9755		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	8760	End	10378
GI	none	Score	170
Exons	8760..8858, 8760..8930, 8762..8932, 8762..8941, 9079..9363, 9099..9362, 9100..9363, 9104..9364, 9104..9364, 9455..9868, 9455..9868, 9456..9869, 9864..10334, 9878..10333, 10339..10377, 10340..10378		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o4.tc	Method	TBLASTX:Cress
Start	8822	End	9364
GI	none	Score	81
Exons	8822..8941, 9082..9219, 9093..9218, 9100..9234, 9104..9223, 9220..9363, 9221..9364		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o2.tc	Method	TBLASTX:Cress
Start	9468	End	9760
GI	none	Score	221
Exons	9468..9755, 9470..9760, 9503..9760		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.gp	Method	AAT/GAP
Start	9487	End	9735
GI	568619	Score	490
Exons	9487..9735		
GI Descrip.	5902400/gb|AAD55502.1|AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o4.ts	Method	TBLASTX:Soybean
Start	9914	End	10303
GI	none	Score	86
Exons	9914..10015, 10031..10237, 10032..10244, 10241..10303		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o2.gp	Method	AAT/GAP
Start	10190	End	10683
GI	uC-osf1M202062d03b1	Score	984
Exons	10190..10683		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	11022	End	11429
GI	none	Score	145
Exons	11022..11192, 11025..11192, 11026..11196, 11029..11193, 11300..11428, 11304..11429, 11304..11429		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.tc	Method	TBLASTX:Cress
Start	11330	End	11835
GI	none	Score	266
Exons	11330..11428, 11506..11745, 11510..11734, 11512..11745, 11746..11835, 11756..11833		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	11379	End	11844
GI	none	Score	64
Exons	11379..11426, 11381..11428, 11488..11844, 11510..11842		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	11504	End	12129
GI	none	Score	451
Exons	11504..11842, 11505..11843, 11506..11844, 11923..12051, 11929..12051, 11930..12061, 12021..12125, 12022..12129, 12025..12126		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	12104	End	12631
GI	none	Score	65
Exons	12104..12238, 12106..12210, 12267..12347, 12267..12368, 12364..12465, 12364..12465, 12461..12553, 12488..12550, 12562..12630, 12563..12631		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	12412	End	13298
GI	none	Score	198
Exons	12412..12576, 12586..12738, 12587..12739, 13118..13294, 13122..13298, 13125..13289, 13126..13290		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-

Start	7796	End	14210
Name	OJ991122_19.0330.C8.o5.tc	Method	TBLASTX:Cress
Start	12604	End	13330
GI	none	Score	64
Exons	12604..12687, 12604..12738, 12608..12739, 12615..12749, 13118..13219, 13125..13241, 13211..13330		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o3.tc	Method	TBLASTX:Cress
Start	13331	End	13841
GI	none	Score	61
Exons	13331..13369, 13364..13474, 13386..13484, 13510..13728, 13542..13697, 13758..13841, 13760..13840		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	13362	End	13936
GI	none	Score	111
Exons	13362..13484, 13364..13474, 13540..13698, 13542..13697, 13758..13934, 13760..13933, 13784..13936		

Seq. No.	38996	Seq. ID	OJ991122_19.0330.C8
Gene No.	80331	Strand	-
Start	7796	End	14210
Name	OJ991122_19.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	13635	End	14023
GI	none	Score	92
Exons	13635..13697, 13758..13859, 13760..13858, 13844..14023, 13845..14000		

Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o1.np	Method	AAT/NAP
Start	404	End	2111
GI	3738306	Score	640
Exons	404..605, 748..947, 1812..2111		
GI Descrip.	(AC005309) putative serine protease [Arabidopsis thaliana]		

Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o1.gs	Method	GENSCAN
Start	425	End	2052
GI	none	Score	.87
Exons	425..605, 748..947, 1812..2052		

Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o2.tm	Method	TBLASTX:Maize
Start	497	End	949
GI	none	Score	130

Exons	497..610, 497..607, 498..608, 499..612, 499..609, 745..948, 749..949		
Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o1.ts	Method	TBLASTX:Soybean
Start	513	End	2037
GI	none	Score	129
Exons	513..608, 514..609, 523..609, 745..948, 749..949, 1771..2037, 1807..1869, 1809..1970, 1814..2035		
Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o1.tc	Method	TBLASTX:Cress
Start	523	End	1897
GI	none	Score	131
Exons	523..618, 523..606, 525..608, 745..930, 745..948, 749..949, 1783..1896, 1814..1897		
Seq. No.	38997	Seq. ID	OJ991022_08.0308.C1
Gene No.	80332	Strand	-
Start	404	End	2111
Name	OJ991022_08.0308.C1.o1.tm	Method	TBLASTX:Maize
Start	1807	End	2104
GI	none	Score	82
Exons	1807..1977, 1812..1958, 1814..1975, 1976..2104, 1981..2082		
Seq. No.	38998	Seq. ID	OJ991022_08.0308.C2
Gene No.	80333	Strand	-
Start	339	End	1620
Name	OJ991022_08.0308.C2.o1.gs	Method	GENSCAN
Start	339	End	1620
GI	none	Score	.59
Exons	339..594, 1616..1620		
Seq. No.	38999	Seq. ID	OJ991022_08.0308.C7
Gene No.	80334	Strand	+
Start	61	End	656
Name	OJ991022_08.0308.C7.o1.gs	Method	GENSCAN
Start	61	End	656
GI	none	Score	.79
Exons	61..105, 568..656		
Seq. No.	39000	Seq. ID	OJ991022_08.0308.C8
Gene No.	80335	Strand	-
Start	137	End	273
Name	OJ991022_08.0308.C8.o1.gs	Method	GENSCAN
Start	137	End	273
GI	none	Score	.69
Exons	137..273		
Seq. No.	39000	Seq. ID	OJ991022_08.0308.C8
Gene No.	80336	Strand	-
Start	860	End	930
Name	OJ991022_08.0308.C8.o2.gs	Method	GENSCAN

Start	860	End	930
GI	none	Score	.42
Exons	860..930		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80337	Strand	+
Start	2781	End	3864
Name	OJ991022_08.0308.C9.o1.gs	Method	GENSCAN
Start	2781	End	3864
GI	none	Score	.78
Exons	2781..3096, 3800..3864		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o1.np	Method	AAT/NAP
Start	5982	End	8810
GI	7303287	Score	1516
Exons	5982..8405, 8713..8810		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o2.gs	Method	GENSCAN
Start	6006	End	8411
GI	none	Score	.65
Exons	6006..8411		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o2.tc	Method	TBLASTX:Cress
Start	6954	End	7223
GI	none	Score	178
Exons	6954..7184, 7188..7223		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	6960	End	7496
GI	none	Score	225
Exons	6960..7184, 7055..7183, 7187..7444, 7188..7445, 7403..7495, 7422..7496		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	7350	End	7724
GI	none	Score	77
Exons	7350..7445, 7403..7573, 7413..7724, 7592..7720		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810

Name	OJ991022_08.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	7607	End	8219
GI	none	Score	72
Exons	7607..7669, 7608..7667, 7668..7997, 7682..7996, 8000..8119, 8001..8120, 8127..8219, 8129..8197		

Seq. No.	39001	Seq. ID	OJ991022_08.0308.C9
Gene No.	80338	Strand	+
Start	6006	End	8810
Name	OJ991022_08.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	7719	End	8054
GI	none	Score	257
Exons	7719..7997, 7724..7972, 8001..8054		

Seq. No.	39002	Seq. ID	OJ991022_08.0308.C11
Gene No.	80339	Strand	+
Start	454	End	883
Name	OJ991022_08.0308.C11.o1.gs	Method	GENSCAN
Start	454	End	883
GI	none	Score	.49
Exons	454..520, 687..883		

Seq. No.	39002	Seq. ID	OJ991022_08.0308.C11
Gene No.	80340	Strand	-
Start	1631	End	1737
Name	OJ991022_08.0308.C11.o2.gs	Method	GENSCAN
Start	1631	End	1737
GI	none	Score	.71
Exons	1631..1737		

Seq. No.	39003	Seq. ID	OJ991022_08.0308.C14
Gene No.	80341	Strand	
Start	19	End	750
Name	OJ991022_08.0308.C14.o1.tm	Method	TBLASTX:Maize
Start	19	End	750
GI	none	Score	169
Exons	19..174, 27..176, 29..175, 69..176, 727..750		

Seq. No.	39004	Seq. ID	OJ991022_08.0308.C15
Gene No.	80342	Strand	-
Start	829	End	1397
Name	OJ991022_08.0308.C15.o1.gs	Method	GENSCAN
Start	829	End	1350
GI	none	Score	1
Exons	829..1350		

Seq. No.	39004	Seq. ID	OJ991022_08.0308.C15
Gene No.	80342	Strand	-
Start	829	End	1397
Name	OJ991022_08.0308.C15.o1.np	Method	AAT/NAP
Start	832	End	1397
GI	2194119	Score	287
Exons	832..1029, 1057..1397		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39004	Seq. ID	OJ991022_08.0308.C15
Gene No.	80342	Strand	-

Start	829	End	1397
Name	OJ991022_08.0308.C15.o1.ts	Method	TBLASTX:Soybean
Start	841	End	1023
GI	none	Score	189
Exons	841..1023		

Seq. No.	39004	Seq. ID	OJ991022_08.0308.C15
Gene No.	80342	Strand	-
Start	829	End	1397
Name	OJ991022_08.0308.C15.o1.tc	Method	TBLASTX:Cress
Start	847	End	1026
GI	none	Score	109
Exons	847..1026, 872..985		

Seq. No.	39005	Seq. ID	OJ991022_08.0308.C16
Gene No.	80343	Strand	+
Start	1124	End	2477
Name	OJ991022_08.0308.C16.o1.gs	Method	GENSCAN
Start	1124	End	2477
GI	none	Score	.75
Exons	1124..1212, 2177..2477		

Seq. No.	39005	Seq. ID	OJ991022_08.0308.C16
Gene No.	80344	Strand	-
Start	3043	End	4553
Name	OJ991022_08.0308.C16.o2.gs	Method	GENSCAN
Start	3043	End	4484
GI	none	Score	.4
Exons	3043..3240, 4305..4484		

Seq. No.	39005	Seq. ID	OJ991022_08.0308.C16
Gene No.	80344	Strand	-
Start	3043	End	4553
Name	OJ991022_08.0308.C16.o1.np	Method	AAT/NAP
Start	4215	End	4553
GI	2194119	Score	221
Exons	4215..4553		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39005	Seq. ID	OJ991022_08.0308.C16
Gene No.	80344	Strand	-
Start	3043	End	4553
Name	OJ991022_08.0308.C16.o1.tw	Method	TBLASTX:Wheat
Start	4216	End	4400
GI	none	Score	120
Exons	4216..4377, 4233..4400		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80345	Strand	+
Start	4662	End	5174
Name	OJ991022_08.0308.C17.o3.gs	Method	GENSCAN
Start	4662	End	5174
GI	none	Score	.84
Exons	4662..4803, 4879..5174		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80346	Strand	-

Start	1	End	770
Name	OJ991022_08.0308.C17.o1.np	Method	AAT/NAP
Start	1	End	744
GI	2194119	Score	236
Exons	1..214, 527..744		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80346	Strand	-
Start	1	End	770
Name	OJ991022_08.0308.C17.o1.gs	Method	GENSCAN
Start	46	End	770
GI	none	Score	.89
Exons	46..220, 473..770		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80347	Strand	-
Start	2302	End	2631
Name	OJ991022_08.0308.C17.o1.tc	Method	TBLASTX:Cress
Start	9	End	194
GI	none	Score	67
Exons	9..194, 10..135		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80347	Strand	-
Start	2302	End	2631
Name	OJ991022_08.0308.C17.o2.tm	Method	TBLASTX:Maize
Start	9	End	194
GI	none	Score	60
Exons	9..194, 10..168		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80347	Strand	-
Start	2302	End	2631
Name	OJ991022_08.0308.C17.o1.ts	Method	TBLASTX:Soybean
Start	9	End	194
GI	none	Score	202
Exons	9..194		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80347	Strand	-
Start	2302	End	2631
Name	OJ991022_08.0308.C17.o2.gs	Method	GENSCAN
Start	2302	End	2631
GI	none	Score	.41
Exons	2302..2422, 2448..2504, 2576..2631		

Seq. No.	39006	Seq. ID	OJ991022_08.0308.C17
Gene No.	80348	Strand	
Start	4902	End	5177
Name	OJ991022_08.0308.C17.o1.tm	Method	TBLASTX:Maize
Start	4902	End	5177
GI	none	Score	112
Exons	4902..4973, 4903..5082, 4903..5157, 4904..5158, 4905..5177		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80349	Strand	+

Start	207	End	4625
Name	OJ991022_08.0308.C18.o1.gs	Method	GENSCAN
Start	207	End	4625
GI	none	Score	.74
Exons	207..1326, 1402..2505, 2884..2988, 3252..3341, 3930..4021, 4130..4625		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80349	Strand	+
Start	207	End	4625
Name	OJ991022_08.0308.C18.o2.np	Method	AAT/NAP
Start	2603	End	4604
GI	6808363	Score	135
Exons	2603..2668, 2900..3012, 3276..3318, 3906..4021, 4101..4319, 4531..4604		
GI Descrip.	(AL137612) hypothetical protein [Homo sapiens]		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80350	Strand	-
Start	6002	End	6252
Name	OJ991022_08.0308.C18.o2.gs	Method	GENSCAN
Start	6002	End	6252
GI	none	Score	.89
Exons	6002..6114, 6186..6252		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o1.ts	Method	TBLASTX:Soybean
Start	240	End	603
GI	none	Score	492
Exons	240..599, 241..603		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1477
GI	none	Score	202
Exons	1125..1325, 1125..1325, 1135..1332, 1393..1476, 1395..1472, 1400..1477		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o3.ts	Method	TBLASTX:Soybean
Start	1135	End	1332
GI	none	Score	67
Exons	1135..1182, 1179..1322, 1180..1332		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o2.tm	Method	TBLASTX:Maize
Start	2145	End	4231
GI	none	Score	67
Exons	2145..2237, 2146..2235, 2268..2309, 2327..2437, 2329..2523,		

2361..2498, 2481..2525, 2481..2504, 2859..2987, 2881..3009, 2889..2993, 3252..3344, 3254..3343, 3903..4022, 3907..4023, 3908..4024, 4073..4231, 4098..4229

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o2.ts	Method	TBLASTX:Soybean
Start	3261	End	4273
GI	none	Score	107
Exons	3261..3344, 3278..3343, 3906..4022, 3907..4038, 3986..4024, 4073..4273, 4098..4259		

Seq. No.	39007	Seq. ID	OJ991022_08.0308.C18
Gene No.	80351	Strand	-
Start	7195	End	7807
Name	OJ991022_08.0308.C18.o3.gs	Method	GENSCAN
Start	7195	End	7807
GI	none	Score	.92
Exons	7195..7343, 7726..7807		

Seq. No.	39008	Seq. ID	OJ991022_08.0308.C19
Gene No.	80352	Strand	-
Start	1	End	710
Name	OJ991022_08.0308.C19.o1.np	Method	AAT/NAP
Start	1	End	710
GI	7485530	Score	128
Exons	1..59, 142..189, 228..470, 632..710		
GI Descrip.	hypothetical protein F16A16.150 - Arabidopsis thaliana gi|4218124|emb|CAA22978.1| (AL035353) hypothetical protein [Arabidopsis thaliana] gi|7269729|emb|CAB81462.1| (AL161573) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39008	Seq. ID	OJ991022_08.0308.C19
Gene No.	80352	Strand	-
Start	1	End	710
Name	OJ991022_08.0308.C19.o1.gs	Method	GENSCAN
Start	264	End	592
GI	none	Score	.96
Exons	264..512, 581..592		

Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80353	Strand	+
Start	471	End	612
Name	OJ991022_08.0308.C20.o1.gp	Method	AAT/GAP
Start	471	End	612
GI	7406_1.R1084	Score	192
Exons	471..612		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80354	Strand	+
Start	1064	End	3450
Name	OJ991022_08.0308.C20.o1.gs	Method	GENSCAN
Start	1064	End	3193
GI	none	Score	.4

Exons	1064..1985, 2167..3193		
Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80354	Strand	+
Start	1064	End	3450
Name	OJ991022_08.0308.C20.o1.np	Method	AAT/NAP
Start	1064	End	3450
GI	7228442	Score	4207
Exons	1064..3450		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80354	Strand	+
Start	1064	End	3450
Name	OJ991022_08.0308.C20.o1.tm	Method	TBLASTX:Maize
Start	2081	End	2672
GI	none	Score	89
Exons	2081..2182, 2085..2204, 2238..2537, 2255..2476, 2601..2672		
Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80354	Strand	+
Start	1064	End	3450
Name	OJ991022_08.0308.C20.o2.gp	Method	AAT/GAP
Start	2119	End	2550
GI	5701669	Score	853
Exons	2119..2550		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	39009	Seq. ID	OJ991022_08.0308.C20
Gene No.	80354	Strand	+
Start	1064	End	3450
Name	OJ991022_08.0308.C20.o1.tw	Method	TBLASTX:Wheat
Start	2370	End	2750
GI	none	Score	208
Exons	2370..2564, 2379..2576, 2570..2689, 2574..2750, 2574..2720		
Seq. No.	39010	Seq. ID	OJ991022_08.0308.C21
Gene No.	80355	Strand	+
Start	1	End	1598
Name	OJ991022_08.0308.C21.o1.np	Method	AAT/NAP
Start	1	End	1041
GI	5441880	Score	709
Exons	1..49, 216..313, 560..691, 807..1041		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	39010	Seq. ID	OJ991022_08.0308.C21
Gene No.	80355	Strand	+
Start	1	End	1598
Name	OJ991022_08.0308.C21.o1.gs	Method	GENSCAN
Start	64	End	1347
GI	none	Score	.77

Exons	64..108, 216..313, 560..691, 755..802, 807..1009, 1160..1347		
Seq. No.	39010	Seq. ID	OJ991022_08.0308.C21
Gene No.	80355	Strand	+
Start	1	End	1598
Name	OJ991022_08.0308.C21.o1.gp	Method	AAT/GAP
Start	1145	End	1598
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	1145..1598		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	39010	Seq. ID	OJ991022_08.0308.C21
Gene No.	80355	Strand	+
Start	1	End	1598
Name	OJ991022_08.0308.C21.o2.np	Method	AAT/NAP
Start	1160	End	1344
GI	7228442	Score	275
Exons	1160..1344		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	39011	Seq. ID	OJ991022_08.0308.C22
Gene No.	80356	Strand	+
Start	882	End	1415
Name	OJ991022_08.0308.C22.o1.gs	Method	GENSCAN
Start	882	End	1415
GI	none	Score	.59
Exons	882..1098, 1186..1415		
Seq. No.	39012	Seq. ID	OJ991022_08.0308.C23
Gene No.	80357	Strand	+
Start	1	End	210
Name	OJ991022_08.0308.C23.o1.np	Method	AAT/NAP
Start	1	End	204
GI	2194119	Score	246
Exons	1..204		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		
Seq. No.	39012	Seq. ID	OJ991022_08.0308.C23
Gene No.	80357	Strand	+
Start	1	End	210
Name	OJ991022_08.0308.C23.o1.gs	Method	GENSCAN
Start	46	End	210
GI	none	Score	.95
Exons	46..210		
Seq. No.	39012	Seq. ID	OJ991022_08.0308.C23
Gene No.	80358	Strand	-
Start	681	End	869
Name	OJ991022_08.0308.C23.o1.tc	Method	TBLASTX:Cress
Start	1	End	173
GI	none	Score	217
Exons	1..171, 51..173		
Seq. No.	39012	Seq. ID	OJ991022_08.0308.C23

Gene No.	80358	Strand	-
Start	681	End	869
Name	OJ991022_08.0308.C23.o2.gs	Method	GENSCAN
Start	681	End	869
GI	none	Score	.97
Exons	681..869		

Seq. No.	39013	Seq. ID	OJ991022_08.0308.C24
Gene No.	80359	Strand	+
Start	1601	End	3290
Name	OJ991022_08.0308.C24.o1.np	Method	AAT/NAP
Start	1601	End	3290
GI	2194119	Score	299
Exons	1601..1645, 2817..3290		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39013	Seq. ID	OJ991022_08.0308.C24
Gene No.	80360	Strand	-
Start	2506	End	3236
Name	OJ991022_08.0308.C24.o1.gs	Method	GENSCAN
Start	2506	End	3151
GI	none	Score	.5
Exons	2506..2730, 2964..3151		

Seq. No.	39013	Seq. ID	OJ991022_08.0308.C24
Gene No.	80360	Strand	-
Start	2506	End	3236
Name	OJ991022_08.0308.C24.o1.ts	Method	TBLASTX:Soybean
Start	2840	End	3236
GI	none	Score	240
Exons	2840..3133, 2841..3236		

Seq. No.	39013	Seq. ID	OJ991022_08.0308.C24
Gene No.	80360	Strand	-
Start	2506	End	3236
Name	OJ991022_08.0308.C24.o1.tm	Method	TBLASTX:Maize
Start	2913	End	3236
GI	none	Score	180
Exons	2913..3110, 2942..3106, 3174..3236		

Seq. No.	39013	Seq. ID	OJ991022_08.0308.C24
Gene No.	80360	Strand	-
Start	2506	End	3236
Name	OJ991022_08.0308.C24.o1.tc	Method	TBLASTX:Cress
Start	2925	End	3236
GI	none	Score	148
Exons	2925..3110, 3050..3148, 3170..3229, 3171..3236		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80361	Strand	+
Start	1	End	541
Name	OJ991022_08.0308.C25.o1.np	Method	AAT/NAP
Start	1	End	541
GI	2194119	Score	368
Exons	1..541		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80361	Strand	+
Start	1	End	541
Name	OJ991022_08.0308.C25.o1.gs	Method	GENSCAN
Start	68	End	541
GI	none	Score	.97
Exons	68..541		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80362	Strand	+
Start	4831	End	5865
Name	OJ991022_08.0308.C25.o2.np	Method	AAT/NAP
Start	4831	End	5865
GI	2194119	Score	597
Exons	4831..5865		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80362	Strand	+
Start	4831	End	5865
Name	OJ991022_08.0308.C25.o1.gp	Method	AAT/GAP
Start	5479	End	5719
GI	none	Score	446
Exons	5479..5719		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80363	Strand	+
Start	7286	End	8614
Name	OJ991022_08.0308.C25.o3.gs	Method	GENSCAN
Start	7286	End	8614
GI	none	Score	.77
Exons	7286..7441, 7550..7720, 8603..8614		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o1.ts	Method	TBLASTX:Soybean
Start	2	End	5502
GI	none	Score	64
Exons	2..82, 104..199, 4838..5062, 4852..5034, 5131..5172, 5200..5376, 5464..5502		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o2.tc	Method	TBLASTX:Cress
Start	2	End	5850
GI	none	Score	44
Exons	2..55, 71..259, 356..430, 379..429, 449..526, 460..507, 5227..5349, 5365..5430, 5512..5586, 5673..5732, 5677..5757, 5781..5831, 5782..5850		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o1.tm	Method	TBLASTX:Maize
Start	341	End	5850

GI	none	Score	63
Exons	341..412, 449..526, 4754..4798, 4864..5022, 4871..5065, 5131..5196, 5154..5174, 5173..5343, 5464..5547, 5662..5733, 5782..5850		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o2.ts	Method	TBLASTX:Soybean
Start	341	End	5850
GI	5057685	Score	197
Exons	341..526, 382..522, 5668..5775, 5670..5726, 5781..5837, 5782..5850		
GI Descrip.	-		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o1.tc	Method	TBLASTX:Cress
Start	4754	End	5226
GI	none	Score	39
Exons	4754..4792, 4864..5028, 4871..5089, 5131..5226		

Seq. No.	39014	Seq. ID	OJ991022_08.0308.C25
Gene No.	80364	Strand	-
Start	5577	End	7933
Name	OJ991022_08.0308.C25.o3.np	Method	AAT/NAP
Start	5577	End	7933
GI	6016691	Score	61
Exons	5577..5649, 7689..7933		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	39015	Seq. ID	OJ991022_08.0308.C26
Gene No.	80365	Strand	+
Start	1	End	1784
Name	OJ991022_08.0308.C26.o1.np	Method	AAT/NAP
Start	1	End	1784
GI	7442091	Score	119
Exons	1..304, 1661..1784		
GI Descrip.	proline-rich protein F25E4.50 - Arabidopsis thaliana gi|7321040|emb|CAB82148.1| (AL050399) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	39015	Seq. ID	OJ991022_08.0308.C26
Gene No.	80365	Strand	+
Start	1	End	1784
Name	OJ991022_08.0308.C26.o1.gs	Method	GENSCAN
Start	56	End	454
GI	none	Score	.62
Exons	56..454		

Seq. No.	39016	Seq. ID	OJ991022_08.0308.C27
Gene No.	80366	Strand	+
Start	1	End	627
Name	OJ991022_08.0308.C27.o1.gs	Method	GENSCAN
Start	1	End	627
GI	none	Score	.49

Exons	1..111, 544..627		
Seq. No.	39016	Seq. ID	OJ991022_08.0308.C27
Gene No.	80367	Strand	-
Start	1	End	374
Name	OJ991022_08.0308.C27.o1.np	Method	AAT/NAP
Start	1	End	374
GI	3660465	Score	164
Exons	1..374		
GI Descrip.	(AJ001753) Inositol 1,3,4-Trisphosphate 5/6 kinase [Arabidopsis thaliana]		
Seq. No.	39016	Seq. ID	OJ991022_08.0308.C27
Gene No.	80368	Strand	-
Start	1827	End	2773
Name	OJ991022_08.0308.C27.o2.gs	Method	GENSCAN
Start	1827	End	2642
GI	none	Score	.91
Exons	1827..1867, 1971..2290, 2600..2642		
Seq. No.	39016	Seq. ID	OJ991022_08.0308.C27
Gene No.	80368	Strand	-
Start	1827	End	2773
Name	OJ991022_08.0308.C27.o2.np	Method	AAT/NAP
Start	2143	End	2773
GI	6063554	Score	52
Exons	2143..2411, 2736..2773		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80369	Strand	+
Start	2529	End	10747
Name	OJ991022_08.0308.C28.o1.gp	Method	AAT/GAP
Start	2529	End	2999
GI	none	Score	882
Exons	2529..2999		
Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80369	Strand	+
Start	2529	End	10747
Name	OJ991022_08.0308.C28.o1.gs	Method	GENSCAN
Start	2569	End	5039
GI	none	Score	.85
Exons	2569..3031, 3632..3972, 4224..5039		
Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80369	Strand	+
Start	2529	End	10747
Name	OJ991022_08.0308.C28.o1.np	Method	AAT/NAP
Start	3649	End	10697
GI	7486743	Score	608
Exons	3649..3924, 4224..4787, 10491..10697		
GI Descrip.	hypothetical protein F9D16.260 - Arabidopsis thaliana gi|4454048|emb|CAA23045.1| (AL035394) putative protein [Arabidopsis thaliana] gi|7269228|emb|CAB81297.1| (AL161560)		

putative protein [Arabidopsis thaliana]

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80369	Strand	+
Start	2529	End	10747
Name	OJ991022_08.0308.C28.o3.gs	Method	GENSCAN
Start	6864	End	10747
GI	none	Score	.54
Exons	6864..7015, 9596..10268, 10274..10747		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80370	Strand	+
Start	13504	End	15830
Name	OJ991022_08.0308.C28.o4.np	Method	AAT/NAP
Start	13504	End	15830
GI	7485221	Score	552
Exons	13504..13615, 14656..15830		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80370	Strand	+
Start	13504	End	15830
Name	OJ991022_08.0308.C28.o3.np	Method	AAT/NAP
Start	13540	End	15796
GI	7486743	Score	549
Exons	13540..13558, 14759..15796		
GI Descrip.	hypothetical protein F9D16.260 - Arabidopsis thaliana gi|4454048|emb|CAA23045.1| (AL035394) putative protein [Arabidopsis thaliana] gi|7269228|emb|CAB81297.1| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80370	Strand	+
Start	13504	End	15830
Name	OJ991022_08.0308.C28.o4.gs	Method	GENSCAN
Start	14501	End	15820
GI	none	Score	.75
Exons	14501..15820		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80370	Strand	+
Start	13504	End	15830
Name	OJ991022_08.0308.C28.o2.np	Method	AAT/NAP
Start	14661	End	15830
GI	7485221	Score	545
Exons	14661..15830		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80371	Strand	-
Start	5443	End	5598

Name	OJ991022_08.0308.C28.o2.gs	Method	GENSCAN
Start	5443	End	5598
GI	none	Score	.86
Exons	5443..5598		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o1.tm	Method	TBLASTX:Maize
Start	3627	End	15787
GI	none	Score	67
Exons	3627..3758, 3655..3762, 3656..3712, 3762..3902, 3763..3927, 3853..3927, 3875..3934, 4338..4388, 4368..4490, 4388..4507, 4622..4705, 4659..4778, 4855..4893, 4915..4998, 4924..4998, 4929..5003, 9621..9737, 9632..9736, 9634..9741, 9741..9788, 9742..9780, 9757..9939, 9834..9935, 9943..10113, 10105..10164, 10320..10427, 10350..10427, 10466..10585, 10619..10684, 10620..10688, 14705..14866, 14866..15045, 14867..15055, 15170..15322, 15458..15595, 15697..15765, 15719..15787		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o1.tc	Method	TBLASTX:Cress
Start	3643	End	15052
GI	none	Score	120
Exons	3643..3762, 3763..3921, 3780..3902, 9634..9741, 9742..9780, 9766..9945, 9849..9923, 14756..14866, 14867..15052, 14884..15048		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o1.ts	Method	TBLASTX:Soybean
Start	3649	End	15472
GI	none	Score	116
Exons	3649..3762, 3651..3761, 3763..3927, 3786..3881, 4221..4490, 9634..9741, 9745..9945, 9940..10104, 14747..14866, 14758..14865, 14867..15049, 14890..15045, 15068..15139, 15170..15397, 15437..15472		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o3.tc	Method	TBLASTX:Cress
Start	4356	End	15778
GI	none	Score	108
Exons	4356..4559, 4641..4721, 4884..4976, 4885..4992, 10341..10421, 10620..10679, 10622..10669, 15131..15322, 15407..15520, 15448..15579, 15664..15684, 15719..15778, 15721..15765		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o5.gs	Method	GENSCAN
Start	16917	End	21150
GI	none	Score	.73
Exons	16917..17012, 17358..17423, 17561..17625, 19088..19151,		

19301..19374, 19504..19591, 19940..20146, 21148..21150

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o5.np	Method	AAT/NAP
Start	17112	End	20034
GI	5902930	Score	798
Exons	17112..17255, 17358..17423, 17561..17625, 19088..19151, 19265..19374, 19504..19591, 19930..20034		
GI Descrip.	(AB029510) small GTP-binding protein OsRac3 [Oryza sativa]		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o2.tm	Method	TBLASTX:Maize
Start	17155	End	20034
GI	none	Score	126
Exons	17155..17256, 17158..17256, 17228..17257, 17358..17426, 17359..17433, 17359..17433, 17553..17627, 17561..17626, 19072..19155, 19089..19163, 19089..19154, 19265..19378, 19265..19375, 19285..19398, 19502..19591, 19503..19592, 19930..20013, 19930..20034		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o2.ts	Method	TBLASTX:Soybean
Start	17182	End	20035
GI	none	Score	64
Exons	17182..17256, 17206..17256, 17358..17426, 17359..17439, 17547..17627, 17561..17626, 19072..19170, 19089..19163, 19265..19375, 19281..19337, 19502..19591, 19503..19592, 19509..19598, 19930..20034, 19942..20013, 19976..20035		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o1.tw	Method	TBLASTX:Wheat
Start	17197	End	19319
GI	none	Score	80
Exons	17197..17256, 17203..17256, 17358..17426, 17359..17433, 17553..17627, 17561..17626, 19072..19155, 19089..19163, 19089..19154, 19265..19318, 19265..19318, 19287..19319		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o2.tc	Method	TBLASTX:Cress
Start	17206	End	20032
GI	none	Score	59
Exons	17206..17256, 17214..17255, 17358..17429, 17362..17424, 17362..17433, 17561..17626, 17568..17627, 19026..19163, 19072..19170, 19265..19378, 19265..19375, 19306..19380, 19502..19591, 19503..19592, 19504..19599, 19930..20031, 19976..20032		

Seq. No.	39017	Seq. ID	OJ991022_08.0308.C28
Gene No.	80372	Strand	-
Start	16917	End	21150
Name	OJ991022_08.0308.C28.o2.gp	Method	AAT/GAP
Start	17561	End	20213
GI	145_4.R1084	Score	1073
Exons	17561..17625, 19088..19151, 19265..19374, 19504..19591, 19930..20213		
GI Descrip.	'4959459/gb|AAD34355.1| 2.0e-71 (AF126052) RACA small GTP binding protein [Zea mays]'		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80373	Strand	+
Start	2360	End	2749
Name	OJ991022_08.0308.C29.o1.gp	Method	AAT/GAP
Start	2360	End	2749
GI	none	Score	709
Exons	2360..2749		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80374	Strand	-
Start	319	End	3723
Name	OJ991022_08.0308.C29.o1.gs	Method	GENSCAN
Start	319	End	3474
GI	none	Score	.61
Exons	319..587, 614..793, 1038..1136, 1882..1948, 2897..3001, 3409..3474		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80374	Strand	-
Start	319	End	3723
Name	OJ991022_08.0308.C29.o1.np	Method	AAT/NAP
Start	2630	End	3723
GI	2190559	Score	67
Exons	2630..2774, 2897..3001, 3694..3723		
GI Descrip.	(AC001229) F5I14.16 [Arabidopsis thaliana]		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80374	Strand	-
Start	319	End	3723
Name	OJ991022_08.0308.C29.o1.tm	Method	TBLASTX:Maize
Start	2661	End	3701
GI	none	Score	86
Exons	2661..2777, 2667..2777, 2894..3001, 2896..3012, 2934..3002, 3382..3474, 3406..3462, 3595..3699, 3596..3700, 3612..3701		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80374	Strand	-
Start	319	End	3723
Name	OJ991022_08.0308.C29.o1.ts	Method	TBLASTX:Soybean
Start	2676	End	3701
GI	none	Score	69
Exons	2676..2777, 2685..2777, 2894..3001, 2934..3005, 3406..3462, 3612..3701, 3637..3699		

Seq. No.	39018	Seq. ID	OJ991022_08.0308.C29
Gene No.	80374	Strand	-

Start	319	End	3723
Name	OJ991022_08.0308.C29.o1.tc	Method	TBLASTX:Cress
Start	2679	End	3701
GI	none	Score	76
Exons	2679..2777, 2878..2988, 2882..3001, 2937..3005, 3406..3462, 3407..3466, 3586..3699, 3596..3700, 3612..3701		

Seq. No.	39019	Seq. ID	OJ991022_08.0308.C30
Gene No.	80375	Strand	-
Start	1	End	761
Name	OJ991022_08.0308.C30.o1.np	Method	AAT/NAP
Start	1	End	725
GI	3738306	Score	127
Exons	1..32, 493..725		
GI Descrip.	(AC005309) putative serine protease [Arabidopsis thaliana]		

Seq. No.	39019	Seq. ID	OJ991022_08.0308.C30
Gene No.	80375	Strand	-
Start	1	End	761
Name	OJ991022_08.0308.C30.o1.gs	Method	GENSCAN
Start	493	End	715
GI	none	Score	.7
Exons	493..715		

Seq. No.	39019	Seq. ID	OJ991022_08.0308.C30
Gene No.	80375	Strand	-
Start	1	End	761
Name	OJ991022_08.0308.C30.o1.tm	Method	TBLASTX:Maize
Start	493	End	730
GI	none	Score	298
Exons	493..726, 494..727, 495..728, 497..730		

Seq. No.	39019	Seq. ID	OJ991022_08.0308.C30
Gene No.	80375	Strand	-
Start	1	End	761
Name	OJ991022_08.0308.C30.o1.ts	Method	TBLASTX:Soybean
Start	493	End	761
GI	none	Score	247
Exons	493..726, 494..727, 504..761		

Seq. No.	39020	Seq. ID	OJ991022_08.0308.C31
Gene No.	80376	Strand	+
Start	266	End	814
Name	OJ991022_08.0308.C31.o1.gp	Method	AAT/GAP
Start	266	End	814
GI	uC-osflcyp032h03b1	Score	928
Exons	266..814		
GI Descrip.	'283442/pir||A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'		

Seq. No.	39020	Seq. ID	OJ991022_08.0308.C31
Gene No.	80377	Strand	-
Start	1192	End	1458
Name	OJ991022_08.0308.C31.o1.tm	Method	TBLASTX:Maize
Start	334	End	1077
GI	none	Score	65
Exons	334..585, 418..645, 427..570, 428..571, 428..547, 429..563, 487..708, 487..705, 568..825, 593..757, 598..771, 608..811,		

608..706, 628..888, 628..885, 632..886, 650..685, 653..751,
688..948, 688..915, 746..958, 748..981, 803..847, 808..1032,
812..988, 866..988, 889..924, 910..1077

Seq. No.	39020	Seq. ID	OJ991022_08.0308.C31
Gene No.	80377	Strand	-
Start	1192	End	1458
Name	OJ991022_08.0308.C31.o2.gp	Method	AAT/GAP
Start	1192	End	1458
GI	none	Score	504
Exons	1192..1458		

Seq. No.	39021	Seq. ID	OJ991022_08.0308.C32
Gene No.	80378	Strand	+
Start	1	End	886
Name	OJ991022_08.0308.C32.o1.np	Method	AAT/NAP
Start	1	End	886
GI	5091544	Score	288
Exons	1..379, 827..886		
GI Descrip.	(AC007067) T10O24.13 [Arabidopsis thaliana]		

Seq. No.	39021	Seq. ID	OJ991022_08.0308.C32
Gene No.	80378	Strand	+
Start	1	End	886
Name	OJ991022_08.0308.C32.o1.gs	Method	GENSCAN
Start	57	End	379
GI	none	Score	.82
Exons	57..222, 326..379		

Seq. No.	39022	Seq. ID	OJ991022_08.0308.C33
Gene No.	80379	Strand	+
Start	1	End	900
Name	OJ991022_08.0308.C33.o1.np	Method	AAT/NAP
Start	1	End	900
GI	5091544	Score	211
Exons	1..27, 464..550, 645..729, 805..900		
GI Descrip.	(AC007067) T10O24.13 [Arabidopsis thaliana]		

Seq. No.	39022	Seq. ID	OJ991022_08.0308.C33
Gene No.	80380	Strand	-
Start	1757	End	3640
Name	OJ991022_08.0308.C33.o1.gs	Method	GENSCAN
Start	1757	End	3640
GI	none	Score	.93
Exons	1757..1983, 3124..3291, 3406..3640		

Seq. No.	39022	Seq. ID	OJ991022_08.0308.C33
Gene No.	80380	Strand	-
Start	1757	End	3640
Name	OJ991022_08.0308.C33.o2.np	Method	AAT/NAP
Start	1799	End	3472
GI	732311	Score	158
Exons	1799..1980, 3124..3291, 3406..3472		
GI Descrip.	HYPOTHETICAL 15.7 KD PROTEIN IN PBPD-COMA INTERGENIC REGION (ORF2) gi|1075880|pir||B55220 pbpD 3'-region hypothetical protein - Bacillus subtilis gi|520537 (U11882) unknown [Bacillus subtilis] gi|1934785|emb|CAB07916| (Z93933) unknown [Bacillus		

subtilis] gi|2635646|emb|CAB15139| (Z99120) alternate gene name: yugD [Bacillus subtilis]

Seq. No.	39022	Seq. ID	OJ991022_08.0308.C33
Gene No.	80380	Strand	-
Start	1757	End	3640
Name	OJ991022_08.0308.C33.o1.ts	Method	TBLASTX:Soybean
Start	3125	End	3460
GI	none	Score	135
Exons	3125..3304, 3126..3302, 3231..3323, 3402..3452, 3404..3460		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80381	Strand	+
Start	1758	End	3876
Name	OJ991022_08.0308.C34.o1.gs	Method	GENSCAN
Start	1758	End	3763
GI	none	Score	.63
Exons	1758..2154, 2351..2385, 2534..2632, 2795..2893, 3104..3202, 3293..3391, 3659..3763		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80381	Strand	+
Start	1758	End	3876
Name	OJ991022_08.0308.C34.o1.np	Method	AAT/NAP
Start	2540	End	3757
GI	5911312	Score	503
Exons	2540..2632, 2795..2893, 3104..3202, 3293..3391, 3659..3757		
GI Descrip.	(AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80381	Strand	+
Start	1758	End	3876
Name	OJ991022_08.0308.C34.o1.gp	Method	AAT/GAP
Start	2863	End	3876
GI	LIB3431-047-P1-N1-D8	Score	805
Exons	2863..2893, 3104..3202, 3293..3391, 3659..3876		
GI Descrip.	'5911312/gb|AAD55746.1|AF026167_1 1.0e-46 (AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]'		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80382	Strand	+
Start	4473	End	4903
Name	OJ991022_08.0308.C34.o2.gp	Method	AAT/GAP
Start	4473	End	4903
GI	39248_1.R1084	Score	819
Exons	4473..4903		
GI Descrip.	'4512325/dbj|BAA75230.1| 2.0e-20 (AB023619) methyltransferase related protein [Mus musculus]'		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o2.tc	Method	TBLASTX:Cress
Start	3101	End	3745
GI	none	Score	141
Exons	3101..3202, 3103..3162, 3122..3205, 3290..3391, 3292..3393, 3293..3391, 3298..3393, 3656..3745, 3658..3744		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o2.np	Method	AAT/NAP
Start	4600	End	5772
GI	4160294	Score	642
Exons	4600..5089, 5488..5772		
GI Descrip.	(Y18644) methyltransferase-like protein 1 [Mus musculus]		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o1.tm	Method	TBLASTX:Maize
Start	4622	End	5553
GI	none	Score	96
Exons	4622..4735, 4622..4861, 4635..4904, 4636..4905, 4636..4905, 4644..4949, 4900..5073, 4904..5092, 4911..5087, 5476..5553, 5485..5538		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o1.tc	Method	TBLASTX:Cress
Start	4642	End	4927
GI	none	Score	242
Exons	4642..4734, 4644..4904, 4648..4905, 4774..4905, 4904..4927		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o2.gs	Method	GENSCAN
Start	4898	End	5856
GI	none	Score	.59
Exons	4898..5089, 5488..5856		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o1.ts	Method	TBLASTX:Soybean
Start	4961	End	5757
GI	none	Score	89
Exons	4961..5065, 4971..5066, 5066..5092, 5485..5592, 5486..5542, 5633..5755, 5635..5757		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o3.tc	Method	TBLASTX:Cress
Start	4991	End	5757
GI	none	Score	68
Exons	4991..5053, 5042..5092, 5485..5598, 5486..5542, 5641..5757, 5660..5755		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040

Name	OJ991022_08.0308.C34.o3.gp	Method	AAT/GAP
Start	5553	End	6040
GI	uC-osflcyp174b05b1	Score	976
Exons	5553..6040		
GI Descrip.	'2131358/pir||S67760 2.0e-11 hypothetical protein YDL201w - yeast (Saccharomyces cerevisiae) >gi_1429356_emb_CAA67468_ (X99000) ORF D1075 [Saccharomyces cerevisiae] >gi_1431332_emb_CAA98779_ (Z74249) ORF YDL201w [Saccharomyces cerevisiae]'		

Seq. No.	39023	Seq. ID	OJ991022_08.0308.C34
Gene No.	80383	Strand	-
Start	4898	End	6040
Name	OJ991022_08.0308.C34.o2.tm	Method	TBLASTX:Maize
Start	5554	End	5760
GI	none	Score	248
Exons	5554..5760, 5555..5755		

Seq. No.	39024	Seq. ID	OJ991022_08.0308.C35
Gene No.	80384	Strand	-
Start	863	End	2488
Name	OJ991022_08.0308.C35.o1.gs	Method	GENSCAN
Start	863	End	2488
GI	none	Score	81
Exons	863..1309, 1386..1529, 1541..1633, 2462..2488		

Seq. No.	39024	Seq. ID	OJ991022_08.0308.C35
Gene No.	80384	Strand	-
Start	863	End	2488
Name	OJ991022_08.0308.C35.o1.np	Method	AAT/NAP
Start	1438	End	1936
GI	5732634	Score	97
Exons	1438..1936		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80385	Strand	+
Start	141	End	8408
Name	OJ991022_08.0308.C37.o1.np	Method	AAT/NAP
Start	141	End	8408
GI	3915635	Score	323
Exons	141..236, 2815..2922, 4287..4385, 4469..4670, 5740..5882, 6033..6161, 8318..8408		
GI Descrip.	CYCLIN DELTA-1 gi|2995130|emb|CAA58285| (X83369) cyclin delta-1 [Arabidopsis thaliana]		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80385	Strand	+
Start	141	End	8408
Name	OJ991022_08.0308.C37.o1.gs	Method	GENSCAN
Start	2337	End	6194
GI	none	Score	62
Exons	2337..2738, 2836..2922, 4469..4597, 5712..5882, 6033..6194		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-

Start	7080	End	9697
Name	OJ991022_08.0308.C37.o1.ts	Method	TBLASTX:Soybean
Start	2714	End	4666
GI	none	Score	42
Exons	2714..2749, 2715..2741, 2821..2922, 2848..2934, 2905..2967, 4287..4388, 4294..4389, 4295..4384, 4299..4388, 4465..4563, 4466..4666, 4468..4641		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o1.tc	Method	TBLASTX:Cress
Start	2821	End	4666
GI	none	Score	110
Exons	2821..2922, 4295..4387, 4296..4397, 4466..4666, 4471..4614		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o4.tm	Method	TBLASTX:Maize
Start	4483	End	5882
GI	none	Score	214
Exons	4483..4665, 4490..4702, 4490..4669, 5736..5813, 5737..5823, 5741..5830, 5743..5790, 5862..5882		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o2.np	Method	AAT/NAP
Start	6986	End	9697
GI	6069646	Score	607
Exons	6986..7975, 8258..8632, 9674..9697		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o2.gs	Method	GENSCAN
Start	7080	End	9341
GI	none	Score	.51
Exons	7080..8549, 9163..9341		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o2.tw	Method	TBLASTX:Wheat
Start	7113	End	7460
GI	none	Score	171
Exons	7113..7160, 7272..7460		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697

Name	OJ991022_08.0308.C37.o2.tm	Method	TBLASTX:Maize
Start	7194	End	7473
GI	none	Score	119
Exons	7194..7469, 7276..7473		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o3.tm	Method	TBLASTX:Maize
Start	7806	End	8031
GI	none	Score	116
Exons	7806..8030, 7807..8031		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o2.ts	Method	TBLASTX:Soybean
Start	7884	End	8423
GI	none	Score	161
Exons	7884..8012, 8043..8066, 8073..8423		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o1.tw	Method	TBLASTX:Wheat
Start	7962	End	8402
GI	none	Score	58
Exons	7962..8120, 7966..8055, 8100..8402, 8110..8400		

Seq. No.	39025	Seq. ID	OJ991022_08.0308.C37
Gene No.	80386	Strand	-
Start	7080	End	9697
Name	OJ991022_08.0308.C37.o1.tm	Method	TBLASTX:Maize
Start	8043	End	8612
GI	none	Score	83
Exons	8043..8612, 8110..8313, 8356..8496		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80387	Strand	+
Start	467	End	2595
Name	OJ991022_08.0308.C38.o1.gs	Method	GENSCAN
Start	467	End	2595
GI	none	Score	.66
Exons	467..660, 933..983, 1097..1349, 1495..1522, 1566..1870, 2446..2595		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80388	Strand	-
Start	2611	End	3104
Name	OJ991022_08.0308.C38.o1.gp	Method	AAT/GAP
Start	2611	End	3104
GI	LIB3433-015-Q6-K6-C4	Score	956
Exons	2611..3104		
GI Descrip.	'5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38

Gene No.	80389	Strand	-
Start	3016	End	4597
Name	OJ991022_08.0308.C38.o1.np	Method	AAT/NAP
Start	3016	End	4594
GI	4249380	Score	260
Exons	3016..3082, 4121..4594		
GI Descrip.	(AC005966) ESTs gb|Z37637, gb|AA042498 and gb|AA042269 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80389	Strand	-
Start	3016	End	4597
Name	OJ991022_08.0308.C38.o2.gs	Method	GENSCAN
Start	4025	End	4594
GI	none	Score	.44
Exons	4025..4594		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80389	Strand	-
Start	3016	End	4597
Name	OJ991022_08.0308.C38.o1.tc	Method	TBLASTX:Cress
Start	4268	End	4595
GI	none	Score	49
Exons	4268..4351, 4281..4352, 4460..4594, 4470..4595		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80389	Strand	-
Start	3016	End	4597
Name	OJ991022_08.0308.C38.o1.ts	Method	TBLASTX:Soybean
Start	4271	End	4595
GI	none	Score	95
Exons	4271..4351, 4458..4595, 4460..4594		

Seq. No.	39026	Seq. ID	OJ991022_08.0308.C38
Gene No.	80389	Strand	-
Start	3016	End	4597
Name	OJ991022_08.0308.C38.o1.tm	Method	TBLASTX:Maize
Start	4295	End	4597
GI	none	Score	58
Exons	4295..4351, 4295..4351, 4433..4597, 4439..4528, 4458..4595		

Seq. No.	39027	Seq. ID	OJ991022_08.0308.C39
Gene No.	80390	Strand	+
Start	8610	End	9457
Name	OJ991022_08.0308.C39.o2.gs	Method	GENSCAN
Start	8610	End	9457
GI	none	Score	.87
Exons	8610..8712, 8813..8982, 9068..9130, 9289..9308, 9413..9457		

Seq. No.	39027	Seq. ID	OJ991022_08.0308.C39
Gene No.	80391	Strand	-
Start	1908	End	7718
Name	OJ991022_08.0308.C39.o1.gs	Method	GENSCAN
Start	1908	End	7718
GI	none	Score	.61
Exons	1908..2085, 2588..3114, 3178..3279, 4537..4592, 5682..5967, 6031..6066, 6202..6468, 7065..7228, 7295..7718		

Seq. No.	39028	Seq. ID	OJ991022_08.0308.C40
Gene No.	80392	Strand	+
Start	555	End	1360
Name	OJ991022_08.0308.C40.o1.gs	Method	GENSCAN
Start	555	End	1280
GI	none	Score	.59
Exons	555..1280		

Seq. No.	39028	Seq. ID	OJ991022_08.0308.C40
Gene No.	80392	Strand	+
Start	555	End	1360
Name	OJ991022_08.0308.C40.o1.np	Method	AAT/NAP
Start	989	End	1360
GI	4651204	Score	131
Exons	989..1360		
GI Descrip.	(AB026262) ring finger protein [Cicer arietinum]		

Seq. No.	39029	Seq. ID	OJ991022_08.0308.C41
Gene No.	80393	Strand	+
Start	58	End	734
Name	OJ991022_08.0308.C41.o1.gs	Method	GENSCAN
Start	58	End	734
GI	none	Score	.91
Exons	58..138, 183..449, 642..734		

Seq. No.	39029	Seq. ID	OJ991022_08.0308.C41
Gene No.	80393	Strand	+
Start	58	End	734
Name	OJ991022_08.0308.C41.o1.np	Method	AAT/NAP
Start	94	End	449
GI	2335106	Score	155
Exons	94..449		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	39030	Seq. ID	OJ991022_08.0308.C45
Gene No.	80394	Strand	-
Start	1	End	705
Name	OJ991022_08.0308.C45.o1.np	Method	AAT/NAP
Start	1	End	705
GI	5690095	Score	577
Exons	1..705		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	39030	Seq. ID	OJ991022_08.0308.C45
Gene No.	80394	Strand	-
Start	1	End	705
Name	OJ991022_08.0308.C45.o1.tm	Method	TBLASTX:Maize
Start	10	End	414
GI	none	Score	175
Exons	10..237, 11..238, 265..414		

Seq. No.	39030	Seq. ID	OJ991022_08.0308.C45
Gene No.	80394	Strand	-
Start	1	End	705
Name	OJ991022_08.0308.C45.o1.gs	Method	GENSCAN

Start	35	End	378
GI	none	Score	.53
Exons	35..378		

Seq. No.	39031	Seq. ID	OJ991012_07.0303.C4
Gene No.	80395	Strand	+
Start	291	End	411
Name	OJ991012_07.0303.C4.o1.gs	Method	GENSCAN
Start	291	End	411
GI	none	Score	.55
Exons	291..411		

Seq. No.	39031	Seq. ID	OJ991012_07.0303.C4
Gene No.	80396	Strand	-
Start	1	End	738
Name	OJ991012_07.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	738
GI	5441880	Score	70
Exons	1..28, 573..738		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39032	Seq. ID	OJ991012_07.0303.C8
Gene No.	80397	Strand	+
Start	2559	End	3877
Name	OJ991012_07.0303.C8.o1.gs	Method	GENSCAN
Start	2559	End	3877
GI	none	Score	.72
Exons	2559..2638, 2715..2943, 3659..3877		

Seq. No.	39033	Seq. ID	OJ991012_07.0303.C9
Gene No.	80398	Strand	-
Start	233	End	313
Name	OJ991012_07.0303.C9.o1.gp	Method	AAT/GAP
Start	233	End	313
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	233..313		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80399	Strand	+
Start	885	End	4106
Name	OJ991012_07.0303.C10.o1.gs	Method	GENSCAN
Start	885	End	4106
GI	none	Score	.74
Exons	885..1182, 2737..2925, 3081..3431, 3511..4106		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80400	Strand	+
Start	8337	End	12201
Name	OJ991012_07.0303.C10.o1.np	Method	AAT/NAP
Start	8075	End	12201
GI	6006867	Score	1246
Exons	8075..8141, 8395..8779, 9777..10068, 10096..10149, 10240..10513,		

11317..11489, 12072..12201
GI Descrip. (AC009540) unknown protein [Arabidopsis thaliana]

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80400	Strand	+
Start	8337	End	12201
Name	OJ991012_07.0303.C10.o3.gs	Method	GENSCAN
Start	8337	End	11501
GI	none	Score	.95
Exons	8337..8779, 9777..10149, 10240..10513, 11317..11501		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80401	Strand	-
Start	4795	End	7728
Name	OJ991012_07.0303.C10.o2.gs	Method	GENSCAN
Start	4795	End	7728
GI	none	Score	.7
Exons	4795..4844, 5164..5335, 6681..6836, 7352..7484, 7619..7728		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	8408	End	8762
GI	none	Score	93
Exons	8408..8533, 8411..8761, 8412..8762		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	8417	End	10023
GI	none	Score	110
Exons	8417..8695, 8420..8533, 8421..8699, 8688..8780, 8693..8779, 9769..10023, 9775..10023		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	8433	End	11504
GI	none	Score	497
Exons	8433..8780, 8441..8779, 9769..10059, 9777..9884, 10087..10170, 10237..10296, 10328..10408, 10342..10494, 10387..10500, 10401..10499, 11315..11365, 11316..11420, 11448..11504, 11456..11500		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o3.tc	Method	TBLASTX:Cress
Start	9784	End	10305
GI	none	Score	202
Exons	9784..10059, 9796..10023, 10114..10155, 10237..10305		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-

Start	12126	End	15997
Name	OJ991012_07.0303.C10.o4.ts	Method	TBLASTX:Soybean
Start	10024	End	11499
GI	none	Score	44
Exons	10024..10086, 10090..10170, 10233..10298, 10237..10305, 10335..10517, 10386..10517, 10387..10518, 11315..11395, 11316..11498, 11440..11499		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	10063	End	11402
GI	none	Score	110
Exons	10063..10170, 10218..10523, 10220..10522, 10237..10527, 10287..10529, 11313..11402, 11315..11395		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o4.tc	Method	TBLASTX:Cress
Start	10405	End	11519
GI	none	Score	94
Exons	10405..10527, 10425..10517, 11313..11426, 11415..11498, 11439..11519		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	12122	End	12581
GI	none	Score	72
Exons	12122..12226, 12123..12227, 12201..12356, 12234..12359, 12450..12581, 12451..12576, 12458..12580		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	12126	End	12589
GI	none	Score	35
Exons	12126..12182, 12132..12152, 12192..12356, 12199..12357, 12209..12358, 12210..12377, 12450..12581, 12451..12579, 12454..12582, 12455..12589		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o4.gs	Method	GENSCAN
Start	12126	End	15567
GI	none	Score	.92
Exons	12126..12356, 12450..12578, 13337..13432, 13754..13921, 14132..14308, 15457..15567		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997

Name	OJ991012_07.0303.C10.o2.np	Method	AAT/NAP
Start	12209	End	15997
GI	6321865	Score	676
Exons	12209..12356, 12450..12578, 13337..13432, 13754..13921, 14132..14302, 15451..15598, 15883..15997		
GI Descrip.	Yhr074wp gi|731675|sp|P38795|YHN4_YEAST HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION gi|626631|pir||S46811 hypothetical protein YHR074w - yeast (Saccharomyces cerevisiae) gi|500832 (U10556) Yhr074wp [Saccharomyces cerevisiae]		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o2.ts	Method	TBLASTX:Soybean
Start	12252	End	13369
GI	none	Score	93
Exons	12252..12359, 12252..12356, 12450..12536, 12450..12581, 12451..12579, 13337..13369		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o2.tc	Method	TBLASTX:Cress
Start	12270	End	13879
GI	none	Score	93
Exons	12270..12356, 12277..12357, 12450..12581, 12451..12579, 13319..13432, 13333..13446, 13341..13418, 13357..13428, 13751..13876, 13754..13879		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o1.gp	Method	AAT/GAP
Start	12304	End	13829
GI	LIB3432-028-P1-K1-E6	Score	603
Exons	12304..12356, 12450..12578, 13337..13432, 13754..13829		
GI Descrip.	'731675/sp|P38795|YHN4_YEAST 2.0e-39 HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION >gi_626631_pir__S46811 hypothetical protein YHR074w - yeast (Saccharomyces cerevisiae) >gi_500832 (U10556) Yhr074wp [Saccharomyces cerevisiae]'		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	13358	End	14168
GI	none	Score	117
Exons	13358..13438, 13358..13438, 13751..13924, 13754..13924, 13773..13937, 13822..13950, 13825..13950, 14117..14167, 14124..14168		

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o3.ts	Method	TBLASTX:Soybean
Start	13370	End	14221
GI	none	Score	152

Exons 13370..13432, 13751..13924, 13754..13924, 13825..13950, 13827..13925, 13834..13950, 14117..14221, 14124..14216

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o2.gp	Method	AAT/GAP
Start	13841	End	15579
GI	12313_1.R1084	Score	643

Exons 13841..13921, 14132..14308, 15457..15579

GI Descrip. '731675/sp|P38795|YHN4_YEAST 5.0e-30 HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION >gi_626631_pir__S46811 hypothetical protein YHR074w - yeast (Saccharomyces cerevisiae) >gi_500832 (U10556) Yhr074wp [Saccharomyces cerevisiae]'

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o5.ts	Method	TBLASTX:Soybean
Start	14222	End	15600
GI	none	Score	102

Exons 14222..14311, 14223..14309, 15452..15598, 15454..15600, 15454..15600

Seq. No.	39034	Seq. ID	OJ991012_07.0303.C10
Gene No.	80402	Strand	-
Start	12126	End	15997
Name	OJ991012_07.0303.C10.o4.tm	Method	TBLASTX:Maize
Start	15452	End	15600
GI	none	Score	194

Exons 15452..15598, 15454..15600, 15457..15600

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80403	Strand	+
Start	8709	End	9116
Name	OJ991012_07.0303.C11.o2.gp	Method	AAT/GAP
Start	8709	End	9116
GI	96989_1.R1084	Score	357

Exons 8709..8952, 9083..9116

GI Descrip. '4503521/ref|NP_001559.1|pEIF3S6| 7.0e-36 murine mammary tumor integration site 6 (oncogene homolog) >gi_2498490_sp_Q64252_INT6_MOUSE VIRAL INTEGRATION SITE PROTEIN INT-6 >gi_2114363 (U62962) similar to mouse Int-6 [Homo sapiens] >gi_2351382 (U54562) eIF3-p48 [Homo sapiens] >gi_2688818 (U85947) Int-6 [Homo sapiens] >gi_2695701 (U94175) mammary tumor-associated protein INT6 [Homo sapi'

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80404	Strand	+
Start	12808	End	17195
Name	OJ991012_07.0303.C11.o3.gp	Method	AAT/GAP
Start	12807	End	17195
GI	2170_2.R1084	Score	1322

Exons 12807..12932, 13142..13167, 15820..15909, 16029..16117, 16763..17195

GI Descrip. '136640/sp|P25866|UBC2_WHEAT 8.0e-86 UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER

PROTEIN) >gi_170785 (M62720) ubiquitin carrier protein [Triticum aestivum]'

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80404	Strand	+
Start	12808	End	17195
Name	OJ991012_07.0303.C11.o3.gs	Method	GENSCAN
Start	12808	End	16891
GI	none	Score	.8
Exons	12808..12932, 13023..13056, 13684..13771, 15251..15303, 15756..15909, 16029..16117, 16763..16891		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80404	Strand	+
Start	12808	End	17195
Name	OJ991012_07.0303.C11.o3.np	Method	AAT/NAP
Start	12808	End	16888
GI	136640	Score	689
Exons	12808..12932, 13142..13167, 15820..15909, 16029..16117, 16763..16888		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) gi|170785 (M62720) ubiquitin carrier protein [Triticum aestivum]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80405	Strand	+
Start	32851	End	33384
Name	OJ991012_07.0303.C11.o6.gs	Method	GENSCAN
Start	32851	End	33384
GI	none	Score	.4
Exons	32851..32925, 32981..33044, 33077..33384		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80406	Strand	+
Start	37431	End	37991
Name	OJ991012_07.0303.C11.o9.gp	Method	AAT/GAP
Start	37431	End	37991
GI	102_5.R1084	Score	955
Exons	37431..37991		
GI Descrip.	'4585925/gb|AAD25585.1|AC007211_7 2.0e-19 (AC007211) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80406	Strand	+
Start	37431	End	37991
Name	OJ991012_07.0303.C11.o8.gp	Method	AAT/GAP
Start	37454	End	37682
GI	2427831	Score	387
Exons	37454..37682		
GI Descrip.	5852181/emb|CAB55419.1| 3.0e-21 (AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80407	Strand	+
Start	40068	End	45448
Name	OJ991012_07.0303.C11.o8.np	Method	AAT/NAP
Start	40053	End	45126

GI	7452465	Score	1906
Exons	40053..40316, 41328..41566, 41938..42139, 42742..42810, 42884..43070, 43840..44006, 44437..45126		
GI Descrip.	hypothetical protein T22A6.120 - Arabidopsis thaliana gi|5051771|emb|CAB45064.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269279|emb|CAB79339.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80407	Strand	+
Start	40068	End	45448
Name	OJ991012_07.0303.C11.o9.gs	Method	GENSCAN
Start	40068	End	45135
GI	none	Score	.67
Exons	40068..40316, 41328..41566, 41938..42139, 42742..42810, 42884..43070, 43726..43824, 43840..44006, 44542..45135		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80407	Strand	+
Start	40068	End	45448
Name	OJ991012_07.0303.C11.o10.gp	Method	AAT/GAP
Start	41349	End	42134
GI	2428608	Score	752
Exons	41349..41566, 41938..42134		
GI Descrip.	5051771/emb|CAB45064.1| 8.0e-49 (AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80407	Strand	+
Start	40068	End	45448
Name	OJ991012_07.0303.C11.o11.gp	Method	AAT/GAP
Start	44445	End	45448
GI	29952_1.R1084	Score	1962
Exons	44445..45448		
GI Descrip.	'5051771/emb|CAB45064.1| 1.0e-81 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80408	Strand	+
Start	52359	End	53119
Name	OJ991012_07.0303.C11.o12.gs	Method	GENSCAN
Start	52359	End	53119
GI	none	Score	.8
Exons	52359..52531, 53023..53119		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80409	Strand	-
Start	481	End	5683
Name	OJ991012_07.0303.C11.o1.gs	Method	GENSCAN
Start	481	End	5680
GI	none	Score	.94
Exons	481..616, 985..1153, 2028..2162, 2865..2968, 3869..4092, 4733..5038, 5487..5680		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80409	Strand	-
Start	481	End	5683

Name	OJ991012_07.0303.C11.o1.np	Method	AAT/NAP
Start	481	End	5683
GI	6321865	Score	947
Exons	481..616, 985..1158, 2024..2162, 2865..2968, 3869..4092, 4733..5038, 5487..5683		
GI Descrip.	Yhr074wp gi|731675|sp|P38795|YHN4_YEAST HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION gi|626631|pir||S46811 hypothetical protein YHR074w - yeast (Saccharomyces cerevisiae) gi|500832 (U10556) Yhr074wp [Saccharomyces cerevisiae]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80410	Strand	-
Start	7009	End	12498
Name	OJ991012_07.0303.C11.o1.gp	Method	AAT/GAP
Start	7009	End	8182
GI	10383_2.R1084	Score	1145
Exons	7009..7415, 7549..7686, 8112..8182		
GI Descrip.	'4503521/ref|NP_001559.1|pEIF3S6| 5.0e-24 murine mammary tumor integration site 6 (oncogene homolog) >gi_2498490_sp_Q64252_INT6_MOUSE VIRAL INTEGRATION SITE PROTEIN INT-6 >gi_2114363 (U62962) similar to mouse Int-6 [Homo sapiens] >gi_2351382 (U54562) eIF3-p48 [Homo sapiens] >gi_2688818 (U85947) Int-6 [Homo sapiens] >gi_2695701 (U94175) mammary tumor-associated protein INT6 [Homo sapi'		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80410	Strand	-
Start	7009	End	12498
Name	OJ991012_07.0303.C11.o2.gs	Method	GENSCAN
Start	7310	End	12498
GI	none	Score	.74
Exons	7310..7415, 7549..7673, 8723..8942, 9452..9573, 9677..9904, 10419..10819, 11624..11994, 12096..12175, 12361..12498		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80410	Strand	-
Start	7009	End	12498
Name	OJ991012_07.0303.C11.o2.np	Method	AAT/NAP
Start	7313	End	10721
GI	6735308	Score	1153
Exons	7313..7415, 7549..7686, 8112..8255, 8723..8942, 9519..9567, 9673..9996, 10442..10721		
GI Descrip.	(AL137080) translation initiation factor 3-like protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o4.gs	Method	GENSCAN
Start	18030	End	22479
GI	none	Score	.63
Exons	18030..18203, 18479..18620, 18803..19080, 19215..19326, 19424..19455, 19569..19777, 19871..20111, 20523..20656, 21183..22479		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-

Start	18030	End	23261
Name	OJ991012_07.0303.C11.o4.gp	Method	AAT/GAP
Start	18191	End	18802
GI	45908_1.R1084	Score	878
Exons	18191..18620, 18767..18802		
GI Descrip.	'6006864/gb|AAF00640.1|AC009540_17 2.0e-54 (AC009540) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o4.np	Method	AAT/NAP
Start	18829	End	23261
GI	7487258	Score	812
Exons	18829..19044, 19182..19310, 19584..19785, 19884..20126, 20550..20663, 21120..21510, 21538..21900, 22042..22541, 23223..23261		
GI Descrip.	hypothetical protein T20F6.8 - Arabidopsis thaliana gi|2947063|gb|AAC05344.1| (AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o5.gp	Method	AAT/GAP
Start	18895	End	19463
GI	701676	Score	601
Exons	18895..19080, 19215..19326, 19424..19463		
GI Descrip.	6006864/gb|AAF00640.1|AC009540_17 1.0e-23 (AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o6.gp	Method	AAT/GAP
Start	19552	End	21326
GI	3762483	Score	1288
Exons	19552..19777, 19871..20111, 20523..20656, 21183..21326		
GI Descrip.	6006864/gb|AAF00640.1|AC009540_17 2.0e-54 (AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o5.np	Method	AAT/NAP
Start	20564	End	22708
GI	4512674	Score	200
Exons	20564..20611, 21550..22220, 22637..22708		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80411	Strand	-
Start	18030	End	23261
Name	OJ991012_07.0303.C11.o7.gp	Method	AAT/GAP
Start	22331	End	22856
GI	44745_1.R1084	Score	1037
Exons	22331..22856		

GI Descrip. '5852181/emb|CAB55419.1| 3.0e-21 (AL117265) zhb0011.1 [Oryza sativa]'

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80412	Strand	-
Start	26810	End	32686
Name	OJ991012_07.0303.C11.o5.gs	Method	GENSCAN
Start	26810	End	32686
GI	none	Score	.65
Exons	26810..27034, 29894..30059, 31278..31303, 31372..31587, 31633..32043, 32543..32686		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80412	Strand	-
Start	26810	End	32686
Name	OJ991012_07.0303.C11.o6.np	Method	AAT/NAP
Start	31291	End	32028
GI	112305	Score	499
Exons	31291..32028		
GI Descrip.	small nuclear ribonucleoprotein-associated protein N - rat gi|206694 (J05497) snRNP-associated polypeptide N [Rattus norvegicus]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80413	Strand	-
Start	33978	End	37337
Name	OJ991012_07.0303.C11.o7.np	Method	AAT/NAP
Start	33978	End	37337
GI	6006882	Score	102
Exons	33978..33998, 35285..35652, 37263..37337		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80413	Strand	-
Start	33978	End	37337
Name	OJ991012_07.0303.C11.o7.gs	Method	GENSCAN
Start	35036	End	36154
GI	none	Score	.6
Exons	35036..35065, 35159..35300, 35373..35551, 35587..35803, 36099..36154		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80414	Strand	-
Start	46963	End	51485
Name	OJ991012_07.0303.C11.o10.gs	Method	GENSCAN
Start	46963	End	50545
GI	none	Score	.63
Exons	46963..47067, 48291..48423, 49694..49809, 49891..49962, 50486..50545		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80414	Strand	-
Start	46963	End	51485
Name	OJ991012_07.0303.C11.o12.gp	Method	AAT/GAP
Start	47987	End	48370
GI	25851_1.R1084	Score	243
Exons	47987..48067, 48291..48370		

GI Descrip.	'3184082/emb|CAA19338| 2.0e-58 (AL023781) N-terminal acetyltransferase 1 [Schizosaccharomyces pombe]'		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80414	Strand	-
Start	46963	End	51485
Name	OJ991012_07.0303.C11.o9.np	Method	AAT/NAP
Start	47990	End	51151
GI	6730746	Score	249
Exons	47990..48067, 48291..48412, 49683..49809, 49891..49976, 51029..51151		
GI Descrip.	(AC018849) putative N-terminal acetyltransferase [Arabidopsis thaliana]		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80414	Strand	-
Start	46963	End	51485
Name	OJ991012_07.0303.C11.o11.gs	Method	GENSCAN
Start	50988	End	51485
GI	none	Score	.6
Exons	50988..51485		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80415	Strand	-
Start	57946	End	59037
Name	OJ991012_07.0303.C11.o10.np	Method	AAT/NAP
Start	57913	End	59037
GI	4104058	Score	205
Exons	57913..58283, 58869..59037		
GI Descrip.	(AF031195) blue copper-binding protein homolog [Triticum aestivum]		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80415	Strand	-
Start	57946	End	59037
Name	OJ991012_07.0303.C11.o13.gs	Method	GENSCAN
Start	57946	End	59037
GI	none	Score	.96
Exons	57946..58283, 58869..59037		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80416	Strand	-
Start	60524	End	61759
Name	OJ991012_07.0303.C11.o14.gs	Method	GENSCAN
Start	60524	End	61759
GI	none	Score	.98
Exons	60524..60739, 61568..61759		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80417	Strand	-
Start	62808	End	64846
Name	OJ991012_07.0303.C11.o15.gs	Method	GENSCAN
Start	62808	End	64846
GI	none	Score	.45
Exons	62808..62969, 64373..64729, 64745..64846		
Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11

Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o9.tm	Method	TBLASTX:Maize
Start	475	End	2114
GI	none	Score	135
Exons	475..618, 483..617, 714..821, 984..1151, 986..1153, 987..1151, 2023..2109, 2025..2114		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o3.ts	Method	TBLASTX:Soybean
Start	4020	End	5689
GI	none	Score	230
Exons	4020..4091, 4742..5038, 4747..5037, 5486..5689, 5595..5666, 5618..5686		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o7.tc	Method	TBLASTX:Cress
Start	4984	End	5686
GI	none	Score	78
Exons	4984..5037, 5486..5686, 5595..5666, 5609..5683		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o14.tm	Method	TBLASTX:Maize
Start	7264	End	8256
GI	none	Score	49
Exons	7264..7332, 7268..7300, 7272..7328, 7323..7409, 7330..7410, 7334..7414, 7335..7412, 7340..7414, 7548..7688, 7552..7644, 7558..7689, 8114..8152, 8115..8159, 8152..8256, 8154..8255, 8167..8256		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o3.tc	Method	TBLASTX:Cress
Start	7551	End	8945
GI	none	Score	81
Exons	7551..7685, 7570..7641, 8111..8152, 8152..8256, 8154..8255, 8167..8256, 8168..8257, 8720..8944, 8721..8804, 8721..8945, 8886..8945		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	8109	End	8957
GI	none	Score	57
Exons	8109..8153, 8111..8152, 8152..8256, 8154..8255, 8159..8257, 8720..8749, 8721..8762, 8747..8944, 8751..8804, 8752..8943, 8752..8946, 8886..8957		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11

Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	8699	End	10734
GI	none	Score	214
Exons	8699..8944, 8701..8943, 8721..8945, 8722..8946, 8756..8944, 9442..9576, 9445..9579, 9452..9580, 9677..9907, 9677..9907, 9679..9912, 10446..10535, 10446..10676, 10447..10572, 10669..10734, 10671..10712		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o2.ts	Method	TBLASTX:Soybean
Start	8720	End	10710
GI	none	Score	90
Exons	8720..8944, 8721..8804, 8743..8943, 8748..8951, 8886..8945, 9445..9579, 9452..9580, 9677..9736, 9679..9765, 9729..9905, 9731..9907, 9731..9907, 10441..10569, 10446..10535, 10446..10709, 10447..10569, 10532..10570, 10654..10710		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	9469	End	9907
GI	none	Score	118
Exons	9469..9567, 9470..9568, 9672..9812, 9680..9907, 9720..9905		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o2.tc	Method	TBLASTX:Cress
Start	9502	End	10718
GI	none	Score	61
Exons	9502..9570, 9505..9561, 9684..9788, 9685..9873, 9686..9907, 9686..9907, 10446..10718, 10447..10569		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o12.tm	Method	TBLASTX:Maize
Start	12763	End	12938
GI	none	Score	42
Exons	12763..12804, 12786..12932, 12790..12933, 12876..12938		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o9.ts	Method	TBLASTX:Soybean
Start	12786	End	12933
GI	none	Score	221
Exons	12786..12932, 12793..12933		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731

Name	OJ991012_07.0303.C11.o3.tw	Method	TBLASTX:Wheat
Start	12792	End	17029
GI	none	Score	226
Exons	12792..12932, 12793..12933, 12841..12933, 12876..12938, 13143..13169, 15818..15907, 15819..15908, 15819..15914, 15820..15909, 16028..16117, 16029..16115, 16030..16116, 16754..16894, 16760..16894, 16761..16895, 16762..16896, 16924..16977, 16926..16961, 16927..16962, 16997..17029		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o5.tc	Method	TBLASTX:Cress
Start	12807	End	16891
GI	none	Score	217
Exons	12807..12932, 12808..12933, 15818..15910, 15819..15908, 16006..16101, 16028..16117, 16030..16113, 16754..16891, 16762..16890		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o10.tm	Method	TBLASTX:Maize
Start	15802	End	16891
GI	none	Score	171
Exons	15802..15906, 15809..15910, 15810..15908, 16028..16117, 16032..16115, 16033..16116, 16754..16891, 16762..16890		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o6.ts	Method	TBLASTX:Soybean
Start	15818	End	16133
GI	none	Score	169
Exons	15818..15916, 15819..15914, 16024..16128, 16026..16133, 16028..16120		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o8.ts	Method	TBLASTX:Soybean
Start	16735	End	16891
GI	none	Score	88
Exons	16735..16890, 16743..16883, 16756..16884, 16757..16891		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o5.tm	Method	TBLASTX:Maize
Start	18860	End	19456
GI	none	Score	139
Exons	18860..18943, 18868..18942, 18944..19084, 18946..19083, 19200..19334, 19210..19263, 19245..19319, 19424..19456, 19426..19455		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-

Start	67412	End	72731
Name	OJ991012_07.0303.C11.o8.tc	Method	TBLASTX:Cress
Start	18877	End	19328
GI	none	Score	129
Exons	18877..19044, 18878..19042, 19209..19328		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o7.ts	Method	TBLASTX:Soybean
Start	19575	End	19964
GI	none	Score	118
Exons	19575..19763, 19576..19797, 19872..19964, 19873..19962		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o9.tc	Method	TBLASTX:Cress
Start	19644	End	20657
GI	none	Score	92
Exons	19644..19781, 19872..19946, 19956..20120, 20532..20657		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o3.tm	Method	TBLASTX:Maize
Start	19647	End	20663
GI	none	Score	89
Exons	19647..19769, 19647..19781, 19648..19785, 19651..19785, 19869..19916, 19873..19917, 19876..19917, 19917..20123, 19917..20114, 20506..20652, 20520..20663, 20520..20654		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o4.ts	Method	TBLASTX:Soybean
Start	21373	End	21801
GI	none	Score	293
Exons	21373..21489, 21541..21801		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o4.tm	Method	TBLASTX:Maize
Start	21550	End	22250
GI	none	Score	417
Exons	21550..21705, 21831..22250, 21832..22203, 21898..22179, 21981..22250		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o6.tc	Method	TBLASTX:Cress
Start	21625	End	22050
GI	none	Score	106
Exons	21625..21762, 21822..22049, 21826..22050		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o7.tm	Method	TBLASTX:Maize
Start	22251	End	22553
GI	none	Score	235
Exons	22251..22286, 22326..22553, 22327..22548		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o5.ts	Method	TBLASTX:Soybean
Start	31421	End	32032
GI	none	Score	59
Exons	31421..31435, 31537..31569, 31564..31602, 31574..31603, 31606..31662, 31741..31794, 31742..31795, 31777..31827, 31855..32028, 31865..32029, 31928..32032		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o4.tc	Method	TBLASTX:Cress
Start	31741	End	32035
GI	none	Score	48
Exons	31741..31785, 31742..31795, 31855..32034, 31865..32035		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o6.tm	Method	TBLASTX:Maize
Start	31741	End	32032
GI	none	Score	91
Exons	31741..31794, 31742..31795, 31777..31827, 31855..32031, 31859..32032		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o10.tc	Method	TBLASTX:Cress
Start	40077	End	41408
GI	none	Score	82
Exons	40077..40154, 40079..40153, 40179..40319, 40235..40297, 40354..40383, 41316..41408, 41327..41407		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o11.tm	Method	TBLASTX:Maize
Start	40077	End	40265
GI	none	Score	246
Exons	40077..40265, 40077..40265		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	40079	End	45093

GI none Score 89
Exons 40079..40153, 40080..40163, 40179..40319, 40244..40315,
41299..41562, 41316..41567, 41320..41490, 41324..41569,
41324..41569, 41936..42115, 42881..43075, 42901..43068,
42903..43073, 43825..43992, 43841..44008, 43842..44009,
44431..44568, 44436..44609, 44437..44616, 44622..44681,
44623..44682, 44655..45092, 44665..45093

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -
Start 67412 End 72731
Name OJ991012_07.0303.C11.o13.tm Method TBLASTX:Maize
Start 41315 End 41572
GI none Score 213
Exons 41315..41458, 41325..41567, 41507..41572

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -
Start 67412 End 72731
Name OJ991012_07.0303.C11.o11.tc Method TBLASTX:Cress
Start 41418 End 42094
GI none Score 181
Exons 41418..41579, 41420..41578, 41918..42067, 41936..42094,
42007..42090

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -
Start 67412 End 72731
Name OJ991012_07.0303.C11.o8.tm Method TBLASTX:Maize
Start 41935 End 43913
GI none Score 169
Exons 41935..42105, 41936..42106, 41936..42094, 42004..42099,
42877..43062, 42877..43074, 42878..43075, 43841..43912,
43841..43912, 43842..43913

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -
Start 67412 End 72731
Name OJ991012_07.0303.C11.o1.tc Method TBLASTX:Cress
Start 44436 End 45096
GI none Score 197
Exons 44436..44537, 44437..44616, 44620..44670, 44634..44681,
44655..44843, 44665..44874, 44779..44862, 44845..44925,
44853..44924, 44916..45095, 44916..45092, 44917..45096,
44941..45096

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -
Start 67412 End 72731
Name OJ991012_07.0303.C11.o1.tm Method TBLASTX:Maize
Start 44594 End 45012
GI none Score 75
Exons 44594..44674, 44595..44657, 44595..44741, 44596..44682,
44655..45008, 44665..45012, 44665..45012

Seq. No. 39035 Seq. ID OJ991012_07.0303.C11
Gene No. 80418 Strand -

Start	67412	End	72731
Name	OJ991012_07.0303.C11.o11.np	Method	AAT/NAP
Start	67412	End	70455
GI	6143887	Score	60
Exons	67412..67490, 68541..68671, 70403..70455		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	39035	Seq. ID	OJ991012_07.0303.C11
Gene No.	80418	Strand	-
Start	67412	End	72731
Name	OJ991012_07.0303.C11.o12.np	Method	AAT/NAP
Start	68261	End	72731
GI	3023751	Score	173
Exons	68261..68291, 70251..70356, 70474..70674, 70741..70825, 72693..72731		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80419	Strand	+
Start	2541	End	11261
Name	OJ991012_07.0303.C12.o2.gs	Method	GENSCAN
Start	2541	End	11261
GI	none	Score	.42
Exons	2541..2833, 3572..3736, 4747..4808, 7470..7633, 7676..7767, 7812..8123, 9529..9670, 10302..11261		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80419	Strand	+
Start	2541	End	11261
Name	OJ991012_07.0303.C12.o1.np	Method	AAT/NAP
Start	7222	End	9806
GI	7340881	Score	969
Exons	7222..7313, 7460..7583, 7676..7767, 7823..8123, 9564..9670, 9776..9806		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80420	Strand	+
Start	11511	End	16063
Name	OJ991012_07.0303.C12.o2.np	Method	AAT/NAP
Start	11511	End	16063
GI	4680179	Score	3934
Exons	11511..13891, 15985..16063		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80420	Strand	+
Start	11511	End	16063
Name	OJ991012_07.0303.C12.o3.gs	Method	GENSCAN
Start	11511	End	15598
GI	none	Score	.62
Exons	11511..11752, 11825..13889, 14893..15046, 15492..15598		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80420	Strand	+
Start	11511	End	16063
Name	OJ991012_07.0303.C12.o3.np	Method	AAT/NAP
Start	13149	End	15098
GI	4680186	Score	254
Exons	13149..13171, 14868..15098		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80420	Strand	+
Start	11511	End	16063
Name	OJ991012_07.0303.C12.o4.gs	Method	GENSCAN
Start	15701	End	16042
GI	none	Score	.62
Exons	15701..15778, 15848..16042		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80421	Strand	-
Start	14645	End	15026
Name	OJ991012_07.0303.C12.o1.gp	Method	AAT/GAP
Start	14645	End	15026
GI	uC-osflcyp033a04b1	Score	655
Exons	14645..15026		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	11778	End	12137
GI	none	Score	307
Exons	11778..12137, 11781..12137		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	12018	End	12314
GI	none	Score	210
Exons	12018..12314, 12018..12302		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o3.tm	Method	TBLASTX:Maize
Start	12654	End	12974
GI	none	Score	184
Exons	12654..12974, 12707..12799		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o3.tw	Method	TBLASTX:Wheat
Start	12657	End	13073
GI	none	Score	144

Exons 12657..12851, 12693..12803, 12707..12805, 12891..13073, 12917..13072

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	13236	End	13718
GI	none	Score	540
Exons	13236..13718, 13340..13675		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	13305	End	13739
GI	none	Score	348
Exons	13305..13739		

Seq. No.	39036	Seq. ID	OJ991012_07.0303.C12
Gene No.	80422	Strand	-
Start	15491	End	16063
Name	OJ991012_07.0303.C12.o4.np	Method	AAT/NAP
Start	15491	End	16063
GI	6907087	Score	137
Exons	15491..15592, 16043..16063		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80423	Strand	+
Start	48	End	4745
Name	OJ991012_07.0303.C13.o1.gs	Method	GENSCAN
Start	48	End	2818
GI	none	Score	.87
Exons	48..666, 1548..2818		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80423	Strand	+
Start	48	End	4745
Name	OJ991012_07.0303.C13.o2.np	Method	AAT/NAP
Start	1535	End	4745
GI	4680179	Score	1951
Exons	1535..2744, 3908..4014, 4723..4745		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80424	Strand	+
Start	7329	End	7750
Name	OJ991012_07.0303.C13.o3.np	Method	AAT/NAP
Start	7329	End	7750
GI	6505722	Score	160
Exons	7329..7750		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80425	Strand	+
Start	8911	End	8997
Name	OJ991012_07.0303.C13.o1.gp	Method	AAT/GAP
Start	8911	End	8997
GI	3760640	Score	99
Exons	8911..8997		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80426	Strand	+
Start	15853	End	15909
Name	OJ991012_07.0303.C13.o2.gp	Method	AAT/GAP
Start	15853	End	15909
GI	none	Score	81
Exons	15853..15909		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80427	Strand	-
Start	1	End	9532
Name	OJ991012_07.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	854
GI	6907087	Score	578
Exons	1..437, 484..854		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80427	Strand	-
Start	1	End	9532
Name	OJ991012_07.0303.C13.o4.np	Method	AAT/NAP
Start	1	End	9532
GI	6523547	Score	353
Exons	1..464, 540..698, 739..792, 941..1233, 3652..3684, 9342..9532		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80427	Strand	-
Start	1	End	9532
Name	OJ991012_07.0303.C13.o2.gs	Method	GENSCAN
Start	3496	End	9477
GI	none	Score	.5
Exons	3496..3588, 3729..4008, 4915..5080, 7097..7606, 7645..7868, 8172..8263, 9256..9477		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	1492	End	1726
GI	none	Score	238
Exons	1492..1725, 1535..1726		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o3.tw	Method	TBLASTX:Wheat
Start	1492	End	1741
GI	none	Score	265
Exons	1492..1740, 1535..1741		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o3.tm	Method	TBLASTX:Maize
Start	1535	End	1807
GI	none	Score	278
Exons	1535..1807, 1552..1737, 1777..1806		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	1742	End	2251
GI	none	Score	601
Exons	1742..2251, 1774..2160		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o3.ts	Method	TBLASTX:Soybean
Start	1748	End	1993
GI	none	Score	188
Exons	1748..1993		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	1814	End	2179
GI	none	Score	460
Exons	1814..2167, 1816..2160, 1868..2179		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	2255	End	2734
GI	none	Score	570
Exons	2255..2734, 2300..2701, 2479..2733		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	2384	End	2731
GI	none	Score	280
Exons	2384..2731, 2465..2686, 2494..2700		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13

Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o2.ts	Method	TBLASTX:Soybean
Start	2522	End	2734
GI	none	Score	216
Exons	2522..2734, 2527..2730		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o4.tm	Method	TBLASTX:Maize
Start	5748	End	6062
GI	none	Score	210
Exons	5748..6062		

Seq. No.	39037	Seq. ID	OJ991012_07.0303.C13
Gene No.	80428	Strand	-
Start	10930	End	15781
Name	OJ991012_07.0303.C13.o3.gs	Method	GENSCAN
Start	10930	End	15781
GI	none	Score	.5
Exons	10930..11018, 13666..13762, 15564..15659, 15698..15781		

Seq. No.	39038	Seq. ID	OJ991012_06.0310.C12
Gene No.	80429	Strand	-
Start	260	End	732
Name	OJ991012_06.0310.C12.o1.tc	Method	TBLASTX:Cress
Start	195	End	638
GI	none	Score	96
Exons	195..344, 196..366, 196..366, 460..513, 461..511, 582..638, 583..612		

Seq. No.	39038	Seq. ID	OJ991012_06.0310.C12
Gene No.	80429	Strand	-
Start	260	End	732
Name	OJ991012_06.0310.C12.o1.gp	Method	AAT/GAP
Start	260	End	613
GI	uC-osf1M202077c04b1	Score	275
Exons	260..366, 454..511, 589..613		
GI Descrip.	'6094553/gb|AAF03495.1|AC010676_5 3.0e-21 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39038	Seq. ID	OJ991012_06.0310.C12
Gene No.	80429	Strand	-
Start	260	End	732
Name	OJ991012_06.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	262	End	732
GI	none	Score	143
Exons	262..366, 263..367, 267..371, 272..367, 452..514, 454..513, 457..519, 582..731, 583..732		

Seq. No.	39039	Seq. ID	OJ991012_06.0310.C14
Gene No.	80430	Strand	-
Start	630	End	991
Name	OJ991012_06.0310.C14.o1.gp	Method	AAT/GAP
Start	630	End	991
GI	58038_1.R1084	Score	655

Exons	630..991		
GI Descrip.	'3549666/emb|CAA20577.1| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'		
Seq. No.	39040	Seq. ID	OJ991012_06.0310.C15
Gene No.	80431	Strand	+
Start	1	End	611
Name	OJ991012_06.0310.C15.o1.gp	Method	AAT/GAP
Start	1	End	611
GI	702460	Score	497
Exons	1..70, 161..183, 299..397, 505..611		
GI Descrip.	2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]		
Seq. No.	39040	Seq. ID	OJ991012_06.0310.C15
Gene No.	80432	Strand	+
Start	945	End	2761
Name	OJ991012_06.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	338	End	2761
GI	none	Score	87
Exons	338..400, 347..412, 499..609, 502..606, 516..608, 954..1121, 957..1121, 1210..1341, 1242..1346, 1250..1351, 1251..1388, 1443..1580, 1443..1574, 1638..1745, 1638..1745, 1951..2061, 1951..2061, 1958..2068, 2156..2197, 2161..2205, 2547..2630, 2549..2635, 2549..2629, 2554..2637, 2557..2637, 2725..2760, 2725..2760, 2726..2761		
Seq. No.	39040	Seq. ID	OJ991012_06.0310.C15
Gene No.	80432	Strand	+
Start	945	End	2761
Name	OJ991012_06.0310.C15.o1.ts	Method	TBLASTX:Soybean
Start	465	End	1556
GI	none	Score	136
Exons	465..578, 502..609, 502..606, 930..1130, 951..1112, 1216..1350, 1232..1351, 1253..1351, 1427..1522, 1428..1556, 1449..1529		
Seq. No.	39040	Seq. ID	OJ991012_06.0310.C15
Gene No.	80432	Strand	+
Start	945	End	2761
Name	OJ991012_06.0310.C15.o2.gp	Method	AAT/GAP
Start	945	End	2190
GI	20973_1.R1084	Score	1072
Exons	945..1106, 1250..1344, 1442..1571, 1641..1745, 1954..2060, 2150..2190		
GI Descrip.	'2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]'		
Seq. No.	39041	Seq. ID	OJ991012_06.0310.C16
Gene No.	80433	Strand	-
Start	799	End	975
Name	OJ991012_06.0310.C16.o1.gp	Method	AAT/GAP
Start	799	End	975
GI	LIB3431-047-P1-K1-B4	Score	271
Exons	799..975		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-14 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	39042	Seq. ID	OJ991012_06.0310.C17
Gene No.	80434	Strand	

Start	9077	End	9685
Name	OJ991012_06.0310.C17.o1.tw	Method	TBLASTX:Wheat
Start	9077	End	9685
GI	none	Score	62
Exons	9077..9208, 9078..9203, 9233..9685, 9429..9536, 9582..9671		

Seq. No.	39042	Seq. ID	OJ991012_06.0310.C17
Gene No.	80434	Strand	
Start	9077	End	9685
Name	OJ991012_06.0310.C17.o2.tm	Method	TBLASTX:Maize
Start	9200	End	9463
GI	none	Score	183
Exons	9200..9463		

Seq. No.	39042	Seq. ID	OJ991012_06.0310.C17
Gene No.	80435	Strand	
Start	9809	End	10192
Name	OJ991012_06.0310.C17.o2.tw	Method	TBLASTX:Wheat
Start	9809	End	10192
GI	none	Score	80
Exons	9809..10192, 9810..9959, 9996..10184		

Seq. No.	39042	Seq. ID	OJ991012_06.0310.C17
Gene No.	80435	Strand	
Start	9809	End	10192
Name	OJ991012_06.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	9887	End	10192
GI	none	Score	151
Exons	9887..10192, 9888..10175		

Seq. No.	39042	Seq. ID	OJ991012_06.0310.C17
Gene No.	80436	Strand	
Start	10334	End	10650
Name	OJ991012_06.0310.C17.o3.tw	Method	TBLASTX:Wheat
Start	10334	End	10650
GI	none	Score	72
Exons	10334..10639, 10396..10650		

Seq. No.	39043	Seq. ID	OJ991012_06.0310.C18
Gene No.	80437	Strand	
Start	3	End	447
Name	OJ991012_06.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	317
GI	none	Score	196
Exons	3..317, 4..276		

Seq. No.	39043	Seq. ID	OJ991012_06.0310.C18
Gene No.	80437	Strand	
Start	3	End	447
Name	OJ991012_06.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	3	End	447
GI	none	Score	347
Exons	3..446, 4..447		

Seq. No.	39043	Seq. ID	OJ991012_06.0310.C18
Gene No.	80438	Strand	
Start	596	End	1094

Name	OJ991012_06.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	596	End	1094
GI	none	Score	105
Exons	596..649, 639..875, 654..863, 757..873, 912..1094, 913..1086		
Seq. No.	39043	Seq. ID	OJ991012_06.0310.C18
Gene No.	80439	Strand	
Start	1552	End	1950
Name	OJ991012_06.0310.C18.o3.tw	Method	TBLASTX:Wheat
Start	1552	End	1950
GI	none	Score	71
Exons	1552..1950, 1640..1825, 1898..1936		
Seq. No.	39044	Seq. ID	OJ991012_06.0310.C19
Gene No.	80440	Strand	+
Start	1830	End	2156
Name	OJ991012_06.0310.C19.o1.gp	Method	AAT/GAP
Start	1830	End	2156
GI	none	Score	621
Exons	1830..2156		
Seq. No.	39045	Seq. ID	OJ991012_06.0310.C20
Gene No.	80441	Strand	
Start	3	End	1656
Name	OJ991012_06.0310.C20.o2.tm	Method	TBLASTX:Maize
Start	3	End	951
GI	none	Score	93
Exons	3..140, 135..233, 556..915, 579..875, 889..951		
Seq. No.	39045	Seq. ID	OJ991012_06.0310.C20
Gene No.	80441	Strand	
Start	3	End	1656
Name	OJ991012_06.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	565	End	852
GI	none	Score	94
Exons	565..702, 721..852		
Seq. No.	39045	Seq. ID	OJ991012_06.0310.C20
Gene No.	80441	Strand	
Start	3	End	1656
Name	OJ991012_06.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	568	End	1518
GI	none	Score	86
Exons	568..693, 582..659, 693..941, 706..954, 979..1029, 1207..1374, 1270..1380, 1396..1518		
Seq. No.	39045	Seq. ID	OJ991012_06.0310.C20
Gene No.	80441	Strand	
Start	3	End	1656
Name	OJ991012_06.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	1207	End	1656
GI	none	Score	257
Exons	1207..1656, 1218..1439, 1473..1634		
Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80442	Strand	-
Start	165	End	607

Name	OJ991012_06.0310.C21.o1.gp	Method	AAT/GAP
Start	165	End	607
GI	none	Score	853
Exons	165..607		

Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80443	Strand	-
Start	1086	End	2313
Name	OJ991012_06.0310.C21.o2.gp	Method	AAT/GAP
Start	1086	End	2313
GI	553_1.R1084	Score	1465
Exons	1086..1333, 1591..1769, 1866..2048, 2136..2313		
GI Descrip.	'218179/dbj|BAA01058| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80443	Strand	-
Start	1086	End	2313
Name	OJ991012_06.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	1212	End	2305
GI	none	Score	107
Exons	1212..1328, 1237..1335, 1238..1336, 1240..1335, 1576..1770, 1590..1769, 1592..1771, 1626..1775, 1855..2049, 1863..2048, 1867..2052, 1883..2053, 2124..2303, 2137..2262, 2137..2304, 2138..2305		

Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80443	Strand	-
Start	1086	End	2313
Name	OJ991012_06.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	1237	End	2307
GI	none	Score	191
Exons	1237..1335, 1589..1768, 1590..1769, 1594..1770, 1626..1775, 1675..1770, 1855..2049, 1863..2048, 1867..2055, 2124..2306, 2143..2307		

Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80443	Strand	-
Start	1086	End	2313
Name	OJ991012_06.0310.C21.o1.tw	Method	TBLASTX:Wheat
Start	1665	End	2048
GI	none	Score	75
Exons	1665..1751, 1674..1766, 1675..1770, 1866..2048, 1869..2042, 1885..2046		

Seq. No.	39046	Seq. ID	OJ991012_06.0310.C21
Gene No.	80443	Strand	-
Start	1086	End	2313
Name	OJ991012_06.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	1707	End	2255
GI	none	Score	57
Exons	1707..1769, 1707..1775, 1855..2046, 1863..2060, 1869..2066, 1876..2061, 2124..2255, 2125..2253		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80444	Strand	+
Start	1226	End	1739

Name	OJ991012_06.0310.C24.o1.gp	Method	AAT/GAP
Start	1226	End	1739
GI	none	Score	937
Exons	1226..1739		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o1.tc	Method	TBLASTX:Cress
Start	1669	End	6299
GI	none	Score	504
Exons	1669..2184, 1816..1992, 1983..2168, 4922..4966, 4929..5339, 4938..5216, 5015..5338, 5333..5386, 5409..5555, 5418..5501, 5421..5522, 5423..5551, 5627..5770, 5628..5891, 6165..6299, 6167..6295		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	1714	End	2190
GI	none	Score	122
Exons	1714..1818, 1759..1992, 1870..2190, 2064..2165, 2092..2187		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o2.ts	Method	TBLASTX:Soybean
Start	1714	End	2124
GI	none	Score	384
Exons	1714..2124, 1762..1992, 2061..2111		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o2.tw	Method	TBLASTX:Wheat
Start	1849	End	8159
GI	none	Score	217
Exons	1849..1992, 1870..2124, 2064..2126, 7879..7947, 8058..8159		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	2128	End	6305
GI	none	Score	81
Exons	2128..2187, 4922..5350, 4929..5339, 5409..5552, 5423..5551, 5631..5795, 5663..5770, 5853..5891, 6165..6305, 6167..6295		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	2128	End	5252
GI	none	Score	80
Exons	2128..2193, 2140..2193, 4941..5252, 4941..5135, 5006..5242		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	4953	End	5891
GI	none	Score	516
Exons	4953..5339, 4953..5216, 5009..5338, 5421..5549, 5423..5548, 5645..5704, 5661..5891		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o3.tm	Method	TBLASTX:Maize
Start	6165	End	6305
GI	none	Score	184
Exons	6165..6305, 6167..6295		

Seq. No.	39047	Seq. ID	OJ991012_06.0310.C24
Gene No.	80445	Strand	-
Start	6328	End	8159
Name	OJ991012_06.0310.C24.o2.gp	Method	AAT/GAP
Start	6328	End	6612
GI	uC-osroM202017c04a1	Score	570
Exons	6328..6612		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80446	Strand	+
Start	339	End	3837
Name	OJ991202_03.0308.C1.o1.gs	Method	GENSCAN
Start	339	End	3837
GI	none	Score	.46
Exons	339..415, 1215..1398, 2802..2898, 3256..3401, 3821..3837		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80447	Strand	+
Start	6408	End	8404
Name	OJ991202_03.0308.C1.o2.np	Method	AAT/NAP
Start	6389	End	8228
GI	7331195	Score	745
Exons	6389..6587, 6729..6885, 7158..7265, 7432..7559, 7659..7787, 7874..7941, 8021..8228		
GI Descrip.	(AF236108) putative purple acid phosphatase precursor [Glycine max]		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80447	Strand	+
Start	6408	End	8404
Name	OJ991202_03.0308.C1.o2.gs	Method	GENSCAN
Start	6408	End	8258
GI	none	Score	.9
Exons	6408..6587, 6729..6885, 7158..7265, 7432..7559, 7659..7787, 7874..7941, 8021..8258		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80447	Strand	+

Start	6408	End	8404
Name	OJ991202_03.0308.C1.o1.gp	Method	AAT/GAP
Start	7241	End	8163
GI	702307	Score	796
Exons	7241..7265, 7432..7559, 7659..7787, 7874..7941, 8021..8163		
GI Descrip.	4522012/gb|AAD21785.1| 3.0e-29 (AC007069) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80447	Strand	+
Start	6408	End	8404
Name	OJ991202_03.0308.C1.o2.gp	Method	AAT/GAP
Start	8035	End	8404
GI	5056126	Score	643
Exons	8035..8404		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80448	Strand	+
Start	8690	End	9153
Name	OJ991202_03.0308.C1.o3.gp	Method	AAT/GAP
Start	8690	End	9153
GI	none	Score	899
Exons	8690..9153		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80449	Strand	+
Start	14692	End	15429
Name	OJ991202_03.0308.C1.o4.gs	Method	GENSCAN
Start	14692	End	15429
GI	none	Score	.75
Exons	14692..14770, 15266..15429		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80450	Strand	+
Start	30859	End	33128
Name	OJ991202_03.0308.C1.o6.np	Method	AAT/NAP
Start	30859	End	33128
GI	7488706	Score	282
Exons	30859..31657, 33087..33128		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80451	Strand	-
Start	7575	End	12954
Name	OJ991202_03.0308.C1.o4.np	Method	AAT/NAP
Start	7575	End	12938
GI	7487648	Score	296
Exons	7575..7652, 9733..9825, 10242..10396, 10475..10585, 10670..10799, 11226..11336, 12033..12370, 12588..12938		
GI Descrip.	hypothetical protein T4I9.18 - Arabidopsis thaliana gi|3924611|gb|AAC79112.1| (AF069442) hypothetical protein [Arabidopsis thaliana] gi|7269779|emb|CAB77779.1| (AL161495) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1

Gene No.	80451	Strand	-
Start	7575	End	12954
Name	OJ991202_03.0308.C1.o3.gs	Method	GENSCAN
Start	9096	End	12901
GI	none	Score	.96
Exons	9096..9825, 10242..10396, 10475..10587, 10684..10791, 11219..11336, 11442..11515, 12041..12136, 12508..12901		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80451	Strand	-
Start	7575	End	12954
Name	OJ991202_03.0308.C1.o3.np	Method	AAT/NAP
Start	9228	End	11336
GI	4249414	Score	189
Exons	9228..9407, 9645..9825, 10242..10396, 10475..10579, 10688..10791, 11219..11336		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80451	Strand	-
Start	7575	End	12954
Name	OJ991202_03.0308.C1.o4.gp	Method	AAT/GAP
Start	12592	End	12954
GI	none	Score	682
Exons	12592..12954		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80452	Strand	-
Start	16725	End	20406
Name	OJ991202_03.0308.C1.o5.gp	Method	AAT/GAP
Start	16233	End	17215
GI	82110_1.R1084	Score	1858
Exons	16233..17215		
GI Descrip.	'2129770/pir||S71224 6.0e-41 xyloglucan endotransglycosylase-related protein XTR-2 - Arabidopsis thaliana >gi_1244756 (U43487) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_2154611_dbj_BAA20290_ (D63510) endoxyloglucan transferase related protein [Arabidopsis thaliana] >gi_5533311_gb_AAD45124.1_AF163820_1 (AF163820) endoxyloglucan transferase [Arabidopsis'		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80452	Strand	-
Start	16725	End	20406
Name	OJ991202_03.0308.C1.o5.np	Method	AAT/NAP
Start	16703	End	20210
GI	2129770	Score	872
Exons	16703..17208, 19258..19466, 19825..19925, 20027..20210		
GI Descrip.	xyloglucan endo-1,4-beta-D-glucanase (EC 3.2.1.-) XTR-2 - Arabidopsis thaliana gi|1244756|gb|AAB18366.1| (U43487) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] gi|2154611|dbj|BAA20290.1| (D63510) endoxyloglucan transferase related protein [Arabidopsis thaliana] gi|5533311|gb|AAD45124.1|AF163820_1 (AF163820) endoxyloglucan transferase [Arabidopsis th		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80452	Strand	-
Start	16725	End	20406
Name	OJ991202_03.0308.C1.o5.gs	Method	GENSCAN
Start	16725	End	20252
GI	none	Score	.92
Exons	16725..17208, 19258..19466, 19825..19925, 20027..20252		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80452	Strand	-
Start	16725	End	20406
Name	OJ991202_03.0308.C1.o6.gp	Method	AAT/GAP
Start	18150	End	18428
GI	none	Score	502
Exons	18150..18428		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80452	Strand	-
Start	16725	End	20406
Name	OJ991202_03.0308.C1.o7.gp	Method	AAT/GAP
Start	19864	End	20406
GI	100963_1.R1084	Score	841
Exons	19864..19925, 20027..20406		
GI Descrip.	'2914703 1.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o1.tm	Method	TBLASTX:Maize
Start	6455	End	8207
GI	none	Score	153
Exons	6455..6580, 6456..6590, 6716..6883, 6726..6884, 6729..6884, 7151..7264, 7156..7263, 7433..7552, 7434..7559, 7440..7559, 7658..7783, 7659..7754, 7718..7789, 7865..7939, 7871..7939, 7872..7958, 7872..7946, 8017..8193, 8018..8191, 8022..8207		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o2.ts	Method	TBLASTX:Soybean
Start	6789	End	8210
GI	none	Score	68
Exons	6789..6881, 7151..7264, 7156..7260, 7436..7555, 7437..7559, 7658..7786, 7659..7754, 7828..7932, 7829..7933, 8012..8095, 8017..8079, 8025..8108, 8076..8210, 8096..8191, 8100..8162		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o2.tc	Method	TBLASTX:Cress
Start	7698	End	8198
GI	none	Score	64
Exons	7698..7751, 7864..7950, 7865..7933, 8025..8069, 8036..8068, 8088..8198, 8099..8188		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1

Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o4.tm	Method	TBLASTX:Maize
Start	9082	End	9752
GI	none	Score	96
Exons	9082..9222, 9090..9242, 9183..9386, 9278..9457, 9291..9467, 9343..9540, 9353..9469, 9444..9584, 9537..9668, 9537..9620, 9696..9752, 9700..9747		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o2.tm	Method	TBLASTX:Maize
Start	10238	End	11468
GI	none	Score	59
Exons	10238..10285, 10239..10283, 10276..10398, 10287..10397, 10288..10398, 10289..10420, 10469..10579, 10470..10511, 10475..10588, 10476..10589, 10664..10798, 10669..10761, 10679..10798, 11220..11336, 11439..11468		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o3.ts	Method	TBLASTX:Soybean
Start	10298	End	10780
GI	none	Score	68
Exons	10298..10420, 10299..10397, 10475..10582, 10676..10780		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o5.tm	Method	TBLASTX:Maize
Start	16791	End	16965
GI	none	Score	148
Exons	16791..16955, 16792..16965		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o1.tc	Method	TBLASTX:Cress
Start	16807	End	20121
GI	none	Score	46
Exons	16807..16917, 16824..16967, 16969..17220, 16977..17207, 19257..19466, 19275..19460, 19276..19464, 19276..19470, 19819..19929, 19825..19908, 20023..20121, 20025..20120		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o1.ts	Method	TBLASTX:Soybean
Start	16821	End	20120
GI	none	Score	60
Exons	16821..16928, 16821..16928, 16837..16929, 16995..17207, 17001..17207, 17002..17211, 19257..19466, 19257..19466, 19294..19470, 19819..19929, 19856..19927, 20023..20115, 20025..20120		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o3.tm	Method	TBLASTX:Maize
Start	17045	End	19902
GI	none	Score	161
Exons	17045..17209, 17052..17207, 17053..17211, 19255..19440, 19257..19466, 19257..19466, 19261..19470, 19819..19902, 19822..19902		

Seq. No.	39048	Seq. ID	OJ991202_03.0308.C1
Gene No.	80453	Strand	-
Start	32920	End	34694
Name	OJ991202_03.0308.C1.o7.gs	Method	GENSCAN
Start	32920	End	34694
GI	none	Score	.87
Exons	32920..33381, 34497..34694		

Seq. No.	39049	Seq. ID	OJ991202_03.0308.C5
Gene No.	80454	Strand	+
Start	135	End	1719
Name	OJ991202_03.0308.C5.o1.gs	Method	GENSCAN
Start	135	End	1719
GI	none	Score	.8
Exons	135..331, 1513..1719		

Seq. No.	39049	Seq. ID	OJ991202_03.0308.C5
Gene No.	80455	Strand	+
Start	6248	End	7246
Name	OJ991202_03.0308.C5.o3.gs	Method	GENSCAN
Start	6248	End	7246
GI	none	Score	.85
Exons	6248..6362, 6909..7246		

Seq. No.	39049	Seq. ID	OJ991202_03.0308.C5
Gene No.	80456	Strand	-
Start	4064	End	4501
Name	OJ991202_03.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	2311	End	2783
GI	none	Score	120
Exons	2311..2478, 2409..2492, 2507..2782, 2592..2783		

Seq. No.	39049	Seq. ID	OJ991202_03.0308.C5
Gene No.	80456	Strand	-
Start	4064	End	4501
Name	OJ991202_03.0308.C5.o2.gs	Method	GENSCAN
Start	4064	End	4501
GI	none	Score	.96
Exons	4064..4501		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80457	Strand	+
Start	16	End	1005
Name	OJ991202_03.0308.C6.o1.gs	Method	GENSCAN
Start	16	End	1005
GI	none	Score	.62
Exons	16..475, 845..1005		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80458	Strand	+
Start	6038	End	7906
Name	OJ991202_03.0308.C6.o1.gp	Method	AAT/GAP
Start	6016	End	6488
GI	74037_1.R1084	Score	836
Exons	6016..6488		
GI Descrip.	'1353193/sp|P47917|ZRP4_MAIZE 2.0e-19 O-METHYLTRANSFERASE ZRP4 (OMT) >gi_542186_pir__JQ2268 O-methyltransferase (EC 2.1.1.-) - maize >gi_404070 (L14063) O-methyltransferase [Zea mays]'		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80458	Strand	+
Start	6038	End	7906
Name	OJ991202_03.0308.C6.o3.gs	Method	GENSCAN
Start	6038	End	7906
GI	none	Score	.8
Exons	6038..6838, 6926..7193, 7707..7906		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80458	Strand	+
Start	6038	End	7906
Name	OJ991202_03.0308.C6.o1.np	Method	AAT/NAP
Start	6053	End	7222
GI	1353193	Score	864
Exons	6053..6838, 6926..7222		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80458	Strand	+
Start	6038	End	7906
Name	OJ991202_03.0308.C6.o2.gp	Method	AAT/GAP
Start	6558	End	6805
GI	uC-osflcyp090d11b1	Score	477
Exons	6558..6805		
GI Descrip.	'4522012/gb|AAD21785.1| 3.0e-29 (AC007069) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80459	Strand	+
Start	16528	End	21450
Name	OJ991202_03.0308.C6.o6.gs	Method	GENSCAN
Start	16528	End	21450
GI	none	Score	.49
Exons	16528..16533, 17032..17136, 17166..17577, 17639..18010, 18164..19572, 19636..20525, 20634..21450		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80459	Strand	+
Start	16528	End	21450
Name	OJ991202_03.0308.C6.o3.np	Method	AAT/NAP
Start	17211	End	21447
GI	7228457	Score	5012
Exons	17211..17577, 17639..19572, 19636..21447		

GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80460	Strand	-
Start	1932	End	4883
Name	OJ991202_03.0308.C6.o2.gs	Method	GENSCAN
Start	1932	End	4883
GI	none	Score	.55
Exons	1932..1960, 2744..2848, 3209..3410, 3456..3501, 4825..4883		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80461	Strand	-
Start	8832	End	11203
Name	OJ991202_03.0308.C6.o4.gs	Method	GENSCAN
Start	8832	End	9294
GI	none	Score	.67
Exons	8832..8906, 9289..9294		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80461	Strand	-
Start	8832	End	11203
Name	OJ991202_03.0308.C6.o2.np	Method	AAT/NAP
Start	9125	End	11203
GI	6522592	Score	610
Exons	9125..9462, 9599..11203		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80462	Strand	-
Start	11949	End	14337
Name	OJ991202_03.0308.C6.o5.gs	Method	GENSCAN
Start	11949	End	14337
GI	none	Score	.67
Exons	11949..12058, 14244..14337		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80463	Strand	-
Start	22071	End	25851
Name	OJ991202_03.0308.C6.o7.gs	Method	GENSCAN
Start	22071	End	25851
GI	none	Score	.9
Exons	22071..24006, 24101..25166, 25233..25329, 25717..25851		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80463	Strand	-
Start	22071	End	25851
Name	OJ991202_03.0308.C6.o4.np	Method	AAT/NAP
Start	22074	End	25361
GI	6907089	Score	4828
Exons	22074..24006, 24101..25361		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80464	Strand	-

Start	25995	End	26117
Name	OJ991202_03.0308.C6.o5.np	Method	AAT/NAP
Start	25995	End	26117
GI	7523512	Score	164
Exons	25995..26117		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o1.ts	Method	TBLASTX:Soybean
Start	6086	End	7246
GI	none	Score	100
Exons	6086..6316, 6497..6595, 6599..6772, 6770..6838, 6925..6999, 6941..7000, 7070..7246, 7111..7245		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o7.tw	Method	TBLASTX:Wheat
Start	6089	End	20393
GI	none	Score	201
Exons	6089..6310, 6095..6310, 6133..6312, 6159..6320, 20319..20393		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o1.tm	Method	TBLASTX:Maize
Start	6236	End	7251
GI	none	Score	78
Exons	6236..6307, 6242..6298, 6395..6619, 6477..6602, 6620..6763, 6625..6762, 6746..6838, 6920..7186, 6941..7006, 7066..7191, 7067..7186, 7198..7251		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o6.tw	Method	TBLASTX:Wheat
Start	6491	End	7240
GI	none	Score	33
Exons	6491..6529, 6608..6748, 6614..6673, 6699..6731, 6758..6841, 6931..6993, 6941..7003, 7099..7239, 7112..7240		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o2.ts	Method	TBLASTX:Soybean
Start	9374	End	10171
GI	none	Score	87
Exons	9374..9463, 9600..9698, 9690..9758, 9767..9814, 9827..9919, 9973..10068, 10070..10171		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o8.tw	Method	TBLASTX:Wheat
Start	10566	End	10925

GI	none	Score	55
Exons	10566..10733, 10569..10748, 10629..10739, 10816..10917, 10816..10854, 10821..10925		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o5.tw	Method	TBLASTX:Wheat
Start	17865	End	18258
GI	none	Score	58
Exons	17865..17912, 17920..18018, 17925..18017, 17997..18224, 18001..18258		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o2.tw	Method	TBLASTX:Wheat
Start	18993	End	19479
GI	none	Score	408
Exons	18993..19166, 18994..19479, 19188..19448		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o1.tw	Method	TBLASTX:Wheat
Start	19643	End	20085
GI	none	Score	189
Exons	19643..20083, 19644..20081, 19645..20085		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o3.ts	Method	TBLASTX:Soybean
Start	19684	End	20049
GI	none	Score	119
Exons	19684..19908, 19915..20049		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o3.tm	Method	TBLASTX:Maize
Start	19774	End	20079
GI	none	Score	324
Exons	19774..20079, 19809..20078		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o2.tm	Method	TBLASTX:Maize
Start	20317	End	20640
GI	none	Score	347
Exons	20317..20640, 20346..20627		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o3.tw	Method	TBLASTX:Wheat

Start	20454	End	20835
GI	none	Score	368
Exons	20454..20510, 20455..20835, 20458..20796, 20556..20804		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o4.tw	Method	TBLASTX:Wheat
Start	20836	End	21438
GI	none	Score	266
Exons	20836..21120, 20841..21119, 21208..21282, 21312..21434, 21313..21438		

Seq. No.	39050	Seq. ID	OJ991202_03.0308.C6
Gene No.	80465	Strand	-
Start	26175	End	26584
Name	OJ991202_03.0308.C6.o6.np	Method	AAT/NAP
Start	26175	End	26584
GI	5922623	Score	92
Exons	26175..26245, 26413..26584		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80466	Strand	+
Start	1	End	46
Name	OJ991202_03.0308.C7.o1.np	Method	AAT/NAP
Start	1	End	46
GI	5042454	Score	62
Exons	1..46		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80467	Strand	+
Start	96	End	1705
Name	OJ991202_03.0308.C7.o1.gs	Method	GENSCAN
Start	96	End	1705
GI	none	Score	.63
Exons	96..164, 1571..1705		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o2.gs	Method	GENSCAN
Start	2093	End	3302
GI	none	Score	.9
Exons	2093..2893, 3003..3302		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o2.np	Method	AAT/NAP
Start	2108	End	3299
GI	1353193	Score	849
Exons	2108..2893, 3003..3299		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268		

O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063)
O-methyltransferase [Zea mays]

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	2129	End	3334
GI	none	Score	206
Exons	2129..2362, 2144..2338, 2188..2352, 2545..2880, 2546..2887, 2997..3302, 3000..3083, 3143..3334, 3144..3308		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	2141	End	3323
GI	none	Score	87
Exons	2141..2371, 2552..2650, 2654..2827, 2683..2886, 2801..2893, 3000..3077, 3002..3091, 3147..3323, 3188..3322		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o2.tw	Method	TBLASTX:Wheat
Start	2144	End	2377
GI	none	Score	199
Exons	2144..2365, 2150..2377, 2214..2375		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o1.tw	Method	TBLASTX:Wheat
Start	2551	End	2815
GI	none	Score	203
Exons	2551..2814, 2552..2815		

Seq. No.	39051	Seq. ID	OJ991202_03.0308.C7
Gene No.	80468	Strand	+
Start	2093	End	3334
Name	OJ991202_03.0308.C7.o3.tw	Method	TBLASTX:Wheat
Start	3006	End	3317
GI	none	Score	91
Exons	3006..3080, 3008..3091, 3176..3316, 3189..3317		

Seq. No.	39052	Seq. ID	OJ991202_03.0308.C8
Gene No.	80469	Strand	+
Start	2387	End	2650
Name	OJ991202_03.0308.C8.o1.gs	Method	GENSCAN
Start	2387	End	2650
GI	none	Score	.6
Exons	2387..2650		

Seq. No.	39052	Seq. ID	OJ991202_03.0308.C8
Gene No.	80470	Strand	+
Start	5125	End	5588
Name	OJ991202_03.0308.C8.o1.np	Method	AAT/NAP

Start	5125	End	5588
GI	7340868	Score	52
Exons	5125..5281, 5553..5588		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39052	Seq. ID	OJ991202_03.0308.C8
Gene No.	80471	Strand	-
Start	3394	End	5497
Name	OJ991202_03.0308.C8.o2.gs	Method	GENSCAN
Start	3394	End	5497
GI	none	Score	.4
Exons	3394..3405, 3691..3997, 5100..5211, 5381..5497		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o1.np	Method	AAT/NAP
Start	1	End	5015
GI	7363278	Score	1421
Exons	1..230, 344..513, 1337..1573, 2153..2332, 2843..3016, 3104..3208, 3789..3926, 4583..5015		
GI Descrip.	(AP001552) ESTs C74776(E51022),C26123(C116681) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana cultivar Landsberg extra-large G-protein (AF060942) [Oryza sativa]		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	4954
GI	none	Score	160
Exons	2..103, 113..229, 412..516, 1329..1583, 1337..1582, 1427..1531, 2225..2308, 2844..2939, 3104..3214, 3114..3209, 3786..3938, 3793..3927, 4581..4655, 4583..4837, 4826..4954, 4836..4943		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	2296
GI	none	Score	70
Exons	2..100, 9..80, 92..229, 114..230, 367..588, 371..568, 1316..1519, 1337..1579, 1338..1547, 2225..2296		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o2.ts	Method	TBLASTX:Soybean
Start	2	End	230
GI	none	Score	185
Exons	2..229, 3..230		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o1.gs	Method	GENSCAN

Start	107	End	4885
GI	none	Score	.81
Exons	107..227, 344..513, 1337..1611, 2158..2332, 3104..3208, 3789..3926, 4583..4678, 4769..4885		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o3.ts	Method	TBLASTX:Soybean
Start	412	End	2308
GI	none	Score	117
Exons	412..600, 1322..1552, 1337..1531, 1341..1532, 2225..2308		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o4.ts	Method	TBLASTX:Soybean
Start	2832	End	3887
GI	none	Score	125
Exons	2832..2978, 2832..2933, 2972..3031, 3104..3214, 3105..3209, 3786..3887, 3787..3885		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o1.ts	Method	TBLASTX:Soybean
Start	4583	End	4951
GI	none	Score	82
Exons	4583..4831, 4826..4951, 4851..4928		

Seq. No.	39053	Seq. ID	OJ991202_03.0308.C10
Gene No.	80472	Strand	-
Start	1	End	5015
Name	OJ991202_03.0308.C10.o2.tm	Method	TBLASTX:Maize
Start	4766	End	4951
GI	none	Score	103
Exons	4766..4837, 4826..4951, 4827..4943		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80473	Strand	+
Start	2367	End	5916
Name	OJ991202_03.0308.C11.o2.gs	Method	GENSCAN
Start	2367	End	5916
GI	none	Score	.57
Exons	2367..2511, 2942..3050, 3072..3177, 3591..3752, 4451..4505, 4559..5024, 5474..5601, 5783..5916		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80473	Strand	+
Start	2367	End	5916
Name	OJ991202_03.0308.C11.o1.gp	Method	AAT/GAP
Start	4976	End	5532
GI	LIB3434-034-P1-K1-D7	Score	710
Exons	4976..5228, 5370..5532		
GI Descrip.	'2062705/gb|U90552|HSU90552 5.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80474	Strand	-
Start	1	End	8633
Name	OJ991202_03.0308.C11.o1.np	Method	AAT/NAP
Start	1	End	7205
GI	6523547	Score	229
Exons	1..265, 2542..2722, 4549..4859, 5535..5571, 6930..7205		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80474	Strand	-
Start	1	End	8633
Name	OJ991202_03.0308.C11.o3.gs	Method	GENSCAN
Start	6451	End	8177
GI	none	Score	.78
Exons	6451..6844, 6921..7226, 7345..7435, 7639..7716, 7960..8177		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80474	Strand	-
Start	1	End	8633
Name	OJ991202_03.0308.C11.o2.np	Method	AAT/NAP
Start	7507	End	8633
GI	7488706	Score	779
Exons	7507..7716, 7805..8633		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	39054	Seq. ID	OJ991202_03.0308.C11
Gene No.	80474	Strand	-
Start	1	End	8633
Name	OJ991202_03.0308.C11.o1.tw	Method	TBLASTX:Wheat
Start	7810	End	8095
GI	none	Score	78
Exons	7810..8025, 7811..8095, 7827..8015, 7859..8077		

Seq. No.	39055	Seq. ID	OJ991202_03.0308.C12
Gene No.	80475	Strand	+
Start	694	End	819
Name	OJ991202_03.0308.C12.o1.gs	Method	GENSCAN
Start	694	End	819
GI	none	Score	.68
Exons	694..819		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80476	Strand	+
Start	6296	End	6439
Name	OJ991202_03.0308.C13.o3.gs	Method	GENSCAN
Start	6296	End	6439
GI	none	Score	.63
Exons	6296..6364, 6398..6439		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80477	Strand	+
Start	8949	End	9302
Name	OJ991202_03.0308.C13.o1.gp	Method	AAT/GAP

Start	8949	End	9302
GI	none	Score	700
Exons	8949..9302		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80478	Strand	-
Start	337	End	718
Name	OJ991202_03.0308.C13.o1.gs	Method	GENSCAN
Start	337	End	718
GI	none	Score	.43
Exons	337..380, 667..718		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o1.np	Method	AAT/NAP
Start	1093	End	5625
GI	1091678	Score	649
Exons	1093..1116, 2247..2735, 2765..2813, 2875..4018, 5592..5625		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.gs	Method	GENSCAN
Start	1612	End	5873
GI	none	Score	.6
Exons	1612..1661, 2201..4361, 4480..4592, 4743..5110, 5608..5873		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o3.ts	Method	TBLASTX:Soybean
Start	2253	End	2537
GI	none	Score	237
Exons	2253..2537		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o6.tm	Method	TBLASTX:Maize
Start	2256	End	2465
GI	none	Score	143
Exons	2256..2465, 2257..2463		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o8.tm	Method	TBLASTX:Maize
Start	3150	End	3434
GI	none	Score	211
Exons	3150..3434		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o1.tw	Method	TBLASTX:Wheat

Start	3165	End	3422
GI	none	Score	71
Exons	3165..3422, 3204..3422		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o3.tm	Method	TBLASTX:Maize
Start	3468	End	3857
GI	none	Score	148
Exons	3468..3857, 3477..3728, 3781..3855		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o9.tm	Method	TBLASTX:Maize
Start	5690	End	6307
GI	none	Score	64
Exons	5690..5782, 5697..5777, 5811..5942, 5813..5947, 6221..6307		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.np	Method	AAT/NAP
Start	5771	End	7483
GI	6822123	Score	315
Exons	5771..5941, 6221..6420, 7151..7207, 7342..7483		
GI Descrip.	(AJ251963) putative cytochrome B 561 [Craterostigma plantagineum]		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o4.gs	Method	GENSCAN
Start	7353	End	16001
GI	none	Score	.7
Exons	7353..7660, 9368..9647, 9696..10079, 10176..11951, 12027..12096, 13557..13725, 13829..13924, 14037..14225, 14663..16001		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o3.np	Method	AAT/NAP
Start	9693	End	16001
GI	7486511	Score	3507
Exons	9693..10079, 10176..11951, 12027..12150, 13548..13680, 13829..13924, 14037..14225, 14663..15341, 15426..15635, 15675..16001		
GI Descrip.	hypothetical protein F6G3.130 - Arabidopsis thaliana gi|4938486|emb|CAB43845.1| (AL078464) putative protein [Arabidopsis thaliana] gi|7269910|emb|CAB81003.1| (AL161576) putative protein [Arabidopsis thaliana]		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.tm	Method	TBLASTX:Maize

Start	9709	End	10307
GI	none	Score	144
Exons	9709..9897, 9738..9935, 9832..9903, 9885..10079, 9897..9953, 9954..10079, 9958..10080, 9958..10080, 10173..10307, 10174..10305		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o1.ts	Method	TBLASTX:Soybean
Start	9715	End	10383
GI	none	Score	53
Exons	9715..9792, 9735..9794, 9831..9929, 9852..9923, 9957..10079, 9967..10080, 10173..10382, 10174..10383		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.gp	Method	AAT/GAP
Start	9908	End	10298
GI	LIB3431-024-P1-K1-C2	Score	526
Exons	9908..10079, 10176..10298		
GI Descrip.	'4938486/emb|CAB43845.1| 1.0e-30 (AL078464) putative protein [Arabidopsis thaliana]'		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o1.tc	Method	TBLASTX:Cress
Start	9951	End	10515
GI	none	Score	69
Exons	9951..10079, 9954..10079, 9970..10080, 10173..10502, 10174..10515		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o1.tm	Method	TBLASTX:Maize
Start	10430	End	11452
GI	none	Score	327
Exons	10430..10759, 10431..11450, 10432..10851, 10892..11452		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.ts	Method	TBLASTX:Soybean
Start	10433	End	10794
GI	none	Score	287
Exons	10433..10555, 10434..10727, 10447..10710, 10654..10794, 10707..10793		

Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o3.tc	Method	TBLASTX:Cress
Start	10524	End	11486
GI	none	Score	143

Exons	10524..10835, 10633..10836, 10836..10994, 11385..11486		
Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o2.tc	Method	TBLASTX:Cress
Start	11601	End	12149
GI	none	Score	107
Exons	11601..11786, 11604..11789, 11617..11802, 11757..11954, 11770..11952, 11775..11954, 11857..11958, 12012..12149, 12034..12138, 12050..12142		
Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o4.tm	Method	TBLASTX:Maize
Start	11854	End	12111
GI	none	Score	136
Exons	11854..11952, 11856..11954, 11891..11962, 12012..12110, 12031..12111		
Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o5.tm	Method	TBLASTX:Maize
Start	13526	End	13902
GI	none	Score	147
Exons	13526..13729, 13544..13681, 13548..13730, 13557..13727, 13821..13889, 13824..13901, 13831..13902		
Seq. No.	39056	Seq. ID	OJ991202_03.0308.C13
Gene No.	80479	Strand	-
Start	1093	End	16001
Name	OJ991202_03.0308.C13.o7.tm	Method	TBLASTX:Maize
Start	14604	End	14858
GI	none	Score	131
Exons	14604..14732, 14634..14726, 14727..14813, 14730..14858, 14731..14856		
Seq. No.	39057	Seq. ID	OJ991202_03.0308.C15
Gene No.	80480	Strand	-
Start	277	End	476
Name	OJ991202_03.0308.C15.o1.gs	Method	GENSCAN
Start	277	End	476
GI	none	Score	.47
Exons	277..476		
Seq. No.	39058	Seq. ID	OJ991202_03.0308.C17
Gene No.	80481	Strand	+
Start	469	End	640
Name	OJ991202_03.0308.C17.o1.gs	Method	GENSCAN
Start	469	End	640
GI	none	Score	.49
Exons	469..640		
Seq. No.	39059	Seq. ID	OJ991202_03.0308.C18
Gene No.	80482	Strand	+

Start	341	End	617
Name	OJ991202_03.0308.C18.o1.gs	Method	GENSCAN
Start	341	End	617
GI	none	Score	.64
Exons	341..370, 491..617		

Seq. No.	39060	Seq. ID	OJ991122_09.0330.C1
Gene No.	80483	Strand	-
Start	8	End	954
Name	OJ991122_09.0330.C1.o1.gs	Method	GENSCAN
Start	8	End	872
GI	none	Score	.74
Exons	8..225, 316..478, 575..809, 849..872		

Seq. No.	39060	Seq. ID	OJ991122_09.0330.C1
Gene No.	80483	Strand	-
Start	8	End	954
Name	OJ991122_09.0330.C1.o1.np	Method	AAT/NAP
Start	309	End	954
GI	7021740	Score	534
Exons	309..478, 575..809, 895..954		
GI Descrip.	(AC024081) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39060	Seq. ID	OJ991122_09.0330.C1
Gene No.	80483	Strand	-
Start	8	End	954
Name	OJ991122_09.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	622	End	951
GI	none	Score	141
Exons	622..801, 624..812, 895..951		

Seq. No.	39061	Seq. ID	OJ991122_09.0330.C2
Gene No.	80484	Strand	+
Start	9856	End	10454
Name	OJ991122_09.0330.C2.o1.np	Method	AAT/NAP
Start	9856	End	10454
GI	4335773	Score	167
Exons	9856..10033, 10109..10228, 10271..10454		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	39062	Seq. ID	OJ991122_09.0330.C3
Gene No.	80485	Strand	+
Start	1	End	1228
Name	OJ991122_09.0330.C3.o1.np	Method	AAT/NAP
Start	1	End	1141
GI	4335773	Score	327
Exons	1..280, 411..488, 620..787, 839..1141		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	39062	Seq. ID	OJ991122_09.0330.C3
Gene No.	80485	Strand	+
Start	1	End	1228
Name	OJ991122_09.0330.C3.o1.gs	Method	GENSCAN
Start	76	End	1228
GI	none	Score	.7
Exons	76..280, 346..488, 653..1228		

Seq. No.	39062	Seq. ID	OJ991122_09.0330.C3
Gene No.	80486	Strand	-
Start	2890	End	3264
Name	OJ991122_09.0330.C3.o2.gs	Method	GENSCAN
Start	2890	End	3264
GI	none	Score	.88
Exons	2890..3062, 3161..3264		

Seq. No.	39063	Seq. ID	OJ991122_09.0330.C4
Gene No.	80487	Strand	+
Start	66	End	1073
Name	OJ991122_09.0330.C4.o1.gs	Method	GENSCAN
Start	66	End	1048
GI	none	Score	.61
Exons	66..1048		

Seq. No.	39063	Seq. ID	OJ991122_09.0330.C4
Gene No.	80487	Strand	+
Start	66	End	1073
Name	OJ991122_09.0330.C4.o1.np	Method	AAT/NAP
Start	147	End	1073
GI	6862939	Score	506
Exons	147..1073		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	39064	Seq. ID	OJ991122_09.0330.C5
Gene No.	80488	Strand	+
Start	1	End	1657
Name	OJ991122_09.0330.C5.o1.np	Method	AAT/NAP
Start	1	End	1626
GI	6862939	Score	983
Exons	1..1626		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	39064	Seq. ID	OJ991122_09.0330.C5
Gene No.	80488	Strand	+
Start	1	End	1657
Name	OJ991122_09.0330.C5.o1.gs	Method	GENSCAN
Start	218	End	1657
GI	none	Score	1
Exons	218..1657		

Seq. No.	39064	Seq. ID	OJ991122_09.0330.C5
Gene No.	80489	Strand	-
Start	2219	End	2374
Name	OJ991122_09.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	266	End	472
GI	none	Score	187
Exons	266..472, 274..468		

Seq. No.	39064	Seq. ID	OJ991122_09.0330.C5
Gene No.	80489	Strand	-
Start	2219	End	2374
Name	OJ991122_09.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	1130	End	1612
GI	none	Score	228
Exons	1130..1330, 1132..1332, 1334..1501, 1339..1416, 1556..1612		

Seq. No.	39064	Seq. ID	OJ991122_09.0330.C5
Gene No.	80489	Strand	-
Start	2219	End	2374
Name	OJ991122_09.0330.C5.o2.gs	Method	GENSCAN
Start	2219	End	2374
GI	none	Score	.86
Exons	2219..2374		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80490	Strand	+
Start	11795	End	19382
Name	OJ991122_09.0330.C6.o3.gs	Method	GENSCAN
Start	11795	End	18982
GI	none	Score	.63
Exons	11795..11850, 12472..12579, 13307..13406, 14567..14920, 15002..15090, 15551..15638, 16081..16389, 17136..17375, 17521..17632, 17978..18090, 18212..18361, 18827..18982		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80490	Strand	+
Start	11795	End	19382
Name	OJ991122_09.0330.C6.o3.np	Method	AAT/NAP
Start	12548	End	19382
GI	7486768	Score	1596
Exons	12548..12597, 13304..13406, 13768..13912, 14468..14920, 15005..15090, 15551..15638, 15708..15783, 15907..15956, 16081..16402, 16826..17032, 17136..17375, 17521..17632, 17981..18090, 18212..18337, 18827..18982, 19339..19382		
GI Descrip.	hypothetical protein L23H3.30 - Arabidopsis thaliana gi|4914452|emb|CAB43692.1| (AL050398) putative protein [Arabidopsis thaliana] gi|7270159|emb|CAB79972.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80490	Strand	+
Start	11795	End	19382
Name	OJ991122_09.0330.C6.o1.gp	Method	AAT/GAP
Start	18007	End	18980
GI	3107449	Score	524
Exons	18007..18090, 18212..18361, 18827..18980		
GI Descrip.	2914703 1.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80491	Strand	-
Start	1429	End	7228
Name	OJ991122_09.0330.C6.o2.np	Method	AAT/NAP
Start	1429	End	7228
GI	7340868	Score	207
Exons	1429..1575, 3092..3181, 7048..7228		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80491	Strand	-
Start	1429	End	7228
Name	OJ991122_09.0330.C6.o1.np	Method	AAT/NAP

Start	5630	End	6935
GI	6815099	Score	87
Exons	5630..5749, 6882..6935		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80492	Strand	-
Start	7155	End	10875
Name	OJ991122_09.0330.C6.o2.gs	Method	GENSCAN
Start	7155	End	10875
GI	none	Score	.79
Exons	7155..7423, 7528..7572, 8290..8417, 8872..8941, 10758..10875		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80493	Strand	
Start	13269	End	13900
Name	OJ991122_09.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	13269	End	13882
GI	none	Score	115
Exons	13269..13382, 13286..13381, 13741..13881, 13769..13882		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80493	Strand	
Start	13269	End	13900
Name	OJ991122_09.0330.C6.o3.ts	Method	TBLASTX:Soybean
Start	13760	End	13900
GI	none	Score	201
Exons	13760..13900, 13768..13878		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80493	Strand	
Start	13269	End	13900
Name	OJ991122_09.0330.C6.o2.tc	Method	TBLASTX:Cress
Start	13768	End	13897
GI	none	Score	196
Exons	13768..13878, 13769..13897, 13772..13897		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80494	Strand	
Start	17274	End	18991
Name	OJ991122_09.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	17274	End	18330
GI	none	Score	91
Exons	17274..17393, 17519..17608, 17521..17607, 17521..17616, 17979..18068, 17979..18089, 17980..18090, 18209..18328, 18214..18330		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80494	Strand	
Start	17274	End	18991
Name	OJ991122_09.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	17515	End	18955
GI	none	Score	73
Exons	17515..17583, 17983..18093, 17985..18092, 18209..18361, 18211..18354, 18829..18945, 18830..18955		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6

Gene No.	80494	Strand	
Start	17274	End	18991
Name	OJ991122_09.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	17959	End	18361
GI	none	Score	177
Exons	17959..18093, 17970..18092, 18147..18356, 18181..18360, 18209..18361, 18209..18361		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80494	Strand	
Start	17274	End	18991
Name	OJ991122_09.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	18808	End	18991
GI	none	Score	71
Exons	18808..18984, 18832..18960, 18833..18985, 18833..18991		

Seq. No.	39065	Seq. ID	OJ991122_09.0330.C6
Gene No.	80494	Strand	
Start	17274	End	18991
Name	OJ991122_09.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	18808	End	18988
GI	none	Score	242
Exons	18808..18981, 18830..18982, 18833..18988		

Seq. No.	39066	Seq. ID	OJ991122_09.0330.C7
Gene No.	80495	Strand	+
Start	1	End	903
Name	OJ991122_09.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	903
GI	7486768	Score	269
Exons	1..96, 450..719, 828..903		
GI Descrip.	hypothetical protein L23H3.30 - Arabidopsis thaliana gi|4914452|emb|CAB43692.1| (AL050398) putative protein [Arabidopsis thaliana] gi|7270159|emb|CAB79972.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	39066	Seq. ID	OJ991122_09.0330.C7
Gene No.	80495	Strand	+
Start	1	End	903
Name	OJ991122_09.0330.C7.o1.gs	Method	GENSCAN
Start	13	End	530
GI	none	Score	.7
Exons	13..96, 450..530		

Seq. No.	39066	Seq. ID	OJ991122_09.0330.C7
Gene No.	80495	Strand	+
Start	1	End	903
Name	OJ991122_09.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	438	End	674
GI	none	Score	287
Exons	438..674, 443..655		

Seq. No.	39066	Seq. ID	OJ991122_09.0330.C7
Gene No.	80495	Strand	+
Start	1	End	903
Name	OJ991122_09.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	444	End	674

GI	none	Score	277
Exons	444..674, 446..655		
Seq. No.	39066	Seq. ID	OJ991122_09.0330.C7
Gene No.	80495	Strand	+
Start	1	End	903
Name	OJ991122_09.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	444	End	671
GI	none	Score	257
Exons	444..671, 446..652		
Seq. No.	39067	Seq. ID	OJ991122_09.0330.C8
Gene No.	80496	Strand	+
Start	1873	End	2131
Name	OJ991122_09.0330.C8.o1.np	Method	AAT/NAP
Start	1873	End	2131
GI	2134982	Score	108
Exons	1873..1983, 2082..2131		
GI Descrip.	ubiquitin thiolesterase (EC 3.1.2.15) - human gi|1122278|emb|CAA62690.1| (X91349) de-ubiquitinase [Homo sapiens]		
Seq. No.	39067	Seq. ID	OJ991122_09.0330.C8
Gene No.	80496	Strand	+
Start	1873	End	2131
Name	OJ991122_09.0330.C8.o1.gs	Method	GENSCAN
Start	1888	End	1983
GI	none	Score	.59
Exons	1888..1983		
Seq. No.	39067	Seq. ID	OJ991122_09.0330.C8
Gene No.	80496	Strand	+
Start	1873	End	2131
Name	OJ991122_09.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	1902	End	2131
GI	none	Score	143
Exons	1902..1982, 1903..1983, 2001..2030, 2069..2131, 2070..2129, 2071..2130		
Seq. No.	39068	Seq. ID	OJ991122_09.0330.C9
Gene No.	80497	Strand	+
Start	558	End	629
Name	OJ991122_09.0330.C9.o1.gs	Method	GENSCAN
Start	558	End	629
GI	none	Score	.92
Exons	558..629		
Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80498	Strand	+
Start	848	End	2272
Name	OJ991122_09.0330.C10.o1.gs	Method	GENSCAN
Start	848	End	2272
GI	none	Score	.8
Exons	848..2272		
Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80499	Strand	-

Start	3320	End	16800
Name	OJ991122_09.0330.C10.o2.gs	Method	GENSCAN
Start	3320	End	16800
GI	none	Score	.62
Exons	3320..3379, 3692..3820, 3937..4204, 4367..4689, 4985..5101, 5191..5286, 5757..5930, 6059..6225, 6782..6947, 7022..7160, 7243..7435, 7708..7883, 8734..8924, 10275..10467, 11862..11980, 13797..13986, 14130..14235, 15458..15528, 16481..16800		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80499	Strand	-
Start	3320	End	16800
Name	OJ991122_09.0330.C10.o1.np	Method	AAT/NAP
Start	3642	End	7867
GI	5103843	Score	1967
Exons	3642..3815, 3927..4204, 4367..4710, 4997..5101, 5191..5286, 5757..5930, 6059..6225, 6782..6947, 7022..7160, 7243..7435, 7549..7631, 7749..7867		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	3698	End	20118
GI	none	Score	73
Exons	3698..3778, 3949..4206, 3958..4122, 4007..4207, 4019..4210, 4366..4644, 4397..4612, 4621..4701, 4622..4690, 4964..5095, 4980..5096, 5197..5292, 5198..5293, 5757..5813, 19609..19686, 19860..20117, 19869..20033, 19918..20118		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	3973	End	20121
GI	none	Score	255
Exons	3973..4008, 4004..4234, 4007..4207, 4353..4574, 4366..4578, 4388..4576, 19884..19919, 19915..20121, 19918..20118		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o2.tc	Method	TBLASTX:Cress
Start	4081	End	20124
GI	none	Score	75
Exons	4081..4206, 4082..4213, 4343..4573, 4366..4605, 4366..4632, 4385..4639, 19945..19989, 19992..20117, 19993..20124		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o3.tm	Method	TBLASTX:Maize
Start	4579	End	6140
GI	none	Score	133
Exons	4579..4689, 4580..4690, 4582..4692, 4985..5122, 4985..5092,		

4998..5099, 4999..5124, 5188..5286, 5191..5286, 5192..5287, 5740..5931, 5754..5933, 6057..6140, 6057..6137, 6059..6139

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o3.tc	Method	TBLASTX:Cress
Start	5191	End	5965
GI	none	Score	101
Exons	5191..5283, 5198..5275, 5740..5934, 5757..5954, 5779..5955, 5780..5965		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o3.ts	Method	TBLASTX:Soybean
Start	5814	End	6239
GI	none	Score	111
Exons	5814..5933, 5815..5919, 6005..6043, 6032..6229, 6032..6226, 6033..6239		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o4.tc	Method	TBLASTX:Cress
Start	6056	End	6229
GI	none	Score	62
Exons	6056..6142, 6056..6226, 6058..6228, 6096..6227, 6170..6229		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	6789	End	7313
GI	none	Score	47
Exons	6789..6953, 6790..6948, 7022..7159, 7023..7160, 7242..7313, 7243..7302		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	6918	End	7434
GI	none	Score	36
Exons	6918..6953, 6919..6948, 7022..7159, 7023..7160, 7233..7403, 7242..7418, 7243..7434		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	7022	End	7856
GI	none	Score	93
Exons	7022..7159, 7023..7160, 7025..7177, 7242..7436, 7242..7439, 7246..7437, 7538..7636, 7551..7634, 7749..7856		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10

Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o3.gs	Method	GENSCAN
Start	17716	End	20115
GI	none	Score	.66
Exons	17716..17879, 18835..18852, 19047..19221, 19603..19731, 19848..20115		

Seq. No.	39069	Seq. ID	OJ991122_09.0330.C10
Gene No.	80500	Strand	-
Start	17716	End	20210
Name	OJ991122_09.0330.C10.o2.np	Method	AAT/NAP
Start	19555	End	20210
GI	5103843	Score	297
Exons	19555..19724, 19836..20210		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80501	Strand	+
Start	2838	End	5651
Name	OJ991122_09.0330.C11.o2.gs	Method	GENSCAN
Start	2838	End	5651
GI	none	Score	.62
Exons	2838..3043, 3402..3543, 3731..3881, 4069..4321, 4747..4855, 4860..4955, 5196..5651		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80501	Strand	+
Start	2838	End	5651
Name	OJ991122_09.0330.C11.o2.np	Method	AAT/NAP
Start	3791	End	5155
GI	2281641	Score	111
Exons	3791..3968, 4908..5155		
GI Descrip.	(AF003101) AP2 domain containing protein RAP2.8 [Arabidopsis thaliana]		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80502	Strand	+
Start	5787	End	14097
Name	OJ991122_09.0330.C11.o3.np	Method	AAT/NAP
Start	5787	End	10956
GI	4680203	Score	1987
Exons	5787..5834, 7067..8756, 10858..10956		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80502	Strand	+
Start	5787	End	14097
Name	OJ991122_09.0330.C11.o1.gp	Method	AAT/GAP
Start	6581	End	7206
GI	2310235	Score	303
Exons	6581..6618, 7067..7206		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11

Gene No.	80502	Strand	+
Start	5787	End	14097
Name	OJ991122_09.0330.C11.o2.gp	Method	AAT/GAP
Start	7071	End	8754
GI	342_1.R1084	Score	2739
Exons	7071..8754		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80502	Strand	+
Start	5787	End	14097
Name	OJ991122_09.0330.C11.o3.gs	Method	GENSCAN
Start	7257	End	14097
GI	none	Score	.43
Exons	7257..8082, 8217..8521, 8726..8956, 9319..10122, 10256..10635, 10720..10792, 11065..11240, 11818..12099, 13120..13283, 14036..14097		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80503	Strand	-
Start	1	End	2563
Name	OJ991122_09.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	2563
GI	5103843	Score	1218
Exons	1..45, 419..592, 717..883, 1490..1655, 1730..1868, 1950..2142, 2257..2339, 2441..2563		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80503	Strand	-
Start	1	End	2563
Name	OJ991122_09.0330.C11.o1.gs	Method	GENSCAN
Start	419	End	2323
GI	none	Score	.82
Exons	419..592, 1730..1868, 1950..2142, 2257..2323		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	1	End	1541
GI	none	Score	170
Exons	1..51, 414..581, 414..566, 425..646, 690..884, 691..897, 718..885, 1485..1541		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o3.tc	Method	TBLASTX:Cress
Start	1	End	631
GI	none	Score	149
Exons	1..42, 419..631, 423..587		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-

Start	11344	End	11463
Name	OJ991122_09.0330.C11.o3.tm	Method	TBLASTX:Maize
Start	1	End	798
GI	none	Score	71
Exons	1..45, 2..46, 402..587, 416..631, 715..798, 717..797		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o4.tc	Method	TBLASTX:Cress
Start	714	End	887
GI	none	Score	118
Exons	714..887, 714..884, 781..885		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	1629	End	2141
GI	none	Score	103
Exons	1629..1661, 1730..1867, 1731..1868, 1940..2110, 1949..2125, 1950..2141		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1730	End	2548
GI	none	Score	88
Exons	1730..1867, 1731..1868, 1949..2146, 1953..2144, 2246..2344, 2259..2342, 2395..2526, 2441..2548		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o3.ts	Method	TBLASTX:Soybean
Start	1815	End	2146
GI	none	Score	55
Exons	1815..1868, 1817..1870, 1949..2050, 1950..2081, 1950..2075, 2036..2146, 2037..2144		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	7374	End	7770
GI	none	Score	95
Exons	7374..7526, 7393..7512, 7509..7760, 7510..7752, 7517..7759, 7528..7770		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	7691	End	8120
GI	none	Score	103
Exons	7691..7774, 7692..7766, 7767..7829, 7824..8120, 7878..8102		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o2.tc	Method	TBLASTX:Cress
Start	7853	End	8168
GI	none	Score	277
Exons	7853..8005, 7860..8168, 8045..8140		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	7989	End	8457
GI	none	Score	72
Exons	7989..8042, 7997..8041, 8043..8147, 8054..8143, 8161..8247, 8162..8248, 8228..8452, 8249..8452, 8251..8457		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	8046	End	8491
GI	none	Score	99
Exons	8046..8168, 8162..8287, 8297..8491		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o4.ts	Method	TBLASTX:Soybean
Start	8321	End	8563
GI	none	Score	212
Exons	8321..8563		

Seq. No.	39070	Seq. ID	OJ991122_09.0330.C11
Gene No.	80504	Strand	-
Start	11344	End	11463
Name	OJ991122_09.0330.C11.o3.gp	Method	AAT/GAP
Start	11344	End	11463
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	11344..11463		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80505	Strand	+
Start	1183	End	1276
Name	OJ991122_09.0330.C12.o1.gp	Method	AAT/GAP
Start	1183	End	1276
GI	uC-osflcyp022c06b2	Score	143
Exons	1183..1276		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80506	Strand	+

Start	2236	End	2810
Name	OJ991122_09.0330.C12.o2.gs	Method	GENSCAN
Start	2236	End	2738
GI	none	Score	.96
Exons	2236..2738		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80506	Strand	+
Start	2236	End	2810
Name	OJ991122_09.0330.C12.o2.np	Method	AAT/NAP
Start	2254	End	2810
GI	4415922	Score	275
Exons	2254..2810		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	434
GI	4415923	Score	243
Exons	1..434		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.gs	Method	GENSCAN
Start	15	End	1984
GI	none	Score	.72
Exons	15..521, 1815..1852, 1918..1984		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	21	End	2661
GI	none	Score	109
Exons	21..89, 144..395, 2272..2373, 2295..2372, 2383..2562, 2451..2558, 2581..2661		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	144	End	2574
GI	none	Score	132
Exons	144..404, 2269..2376, 2299..2370, 2376..2570, 2377..2574		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	171	End	2522
GI	none	Score	74
Exons	171..239, 342..404, 343..405, 2284..2376, 2295..2375, 2376..2522, 2377..2520		

Seq. No.	39071	Seq. ID	OJ991122_09.0330.C12
Gene No.	80507	Strand	-
Start	1	End	2661
Name	OJ991122_09.0330.C12.o1.tc	Method	TBLASTX:Cress
Start	342	End	2637
GI	none	Score	111
Exons	342..407, 2275..2373, 2296..2367, 2383..2637, 2391..2591		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80508	Strand	+
Start	1	End	1463
Name	OJ991122_09.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	1460
GI	4415924	Score	764
Exons	1..40, 483..1460		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80508	Strand	+
Start	1	End	1463
Name	OJ991122_09.0330.C13.o1.gs	Method	GENSCAN
Start	470	End	1463
GI	none	Score	.92
Exons	470..1463		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o1.ts	Method	TBLASTX:Soybean
Start	597	End	4091
GI	none	Score	351
Exons	597..995, 599..685, 728..958, 993..1262, 1013..1261, 3429..3539, 3432..3548, 3528..3815, 3542..3835, 3543..3824, 3818..4090, 3822..4091		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o1.tc	Method	TBLASTX:Cress
Start	780	End	6058
GI	none	Score	135
Exons	780..953, 1029..1226, 1040..1225, 2910..2993, 3456..3593, 3584..3778, 3609..3782, 3854..4000, 3858..4055, 3869..4054, 5972..6058		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.tm	Method	TBLASTX:Maize
Start	804	End	3986
GI	none	Score	130
Exons	804..956, 984..1157, 993..1154, 1013..1156, 3639..3785, 3812..3985, 3813..3986		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+

Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.tw	Method	TBLASTX:Wheat
Start	894	End	4103
GI	none	Score	67
Exons	894..971, 993..1199, 999..1274, 1007..1234, 3723..3800, 3821..4042, 3828..4103		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	1159	End	4286
GI	none	Score	125
Exons	1159..1263, 1164..1457, 1167..1457, 1303..1458, 3989..4285, 3990..4286		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.gs	Method	GENSCAN
Start	2514	End	6053
GI	none	Score	.55
Exons	2514..3025, 3299..3963, 5578..6053		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.np	Method	AAT/NAP
Start	2548	End	4289
GI	4415924	Score	1016
Exons	2548..3013, 3284..4289		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	2570	End	5924
GI	none	Score	167
Exons	2570..2689, 2580..2861, 2580..2855, 5610..5924, 5648..5914, 5683..5922		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.tc	Method	TBLASTX:Cress
Start	2571	End	5924
GI	none	Score	246
Exons	2571..2900, 2585..2881, 5649..5924, 5651..5905		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o3.tm	Method	TBLASTX:Maize
Start	2580	End	5878
GI	none	Score	225
Exons	2580..2807, 2585..2809, 5648..5839, 5649..5873, 5651..5878		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o2.ts	Method	TBLASTX:Soybean
Start	2583	End	6016
GI	none	Score	241
Exons	2583..2834, 2585..2848, 2913..2951, 5634..5915, 5640..5690, 5651..5902, 5933..6016		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o1.gp	Method	AAT/GAP
Start	5540	End	5931
GI	2312486	Score	750
Exons	5540..5931		
GI Descrip.	4415923/gb|AAD20154| 1.0e-14 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39072	Seq. ID	OJ991122_09.0330.C13
Gene No.	80509	Strand	+
Start	2514	End	6071
Name	OJ991122_09.0330.C13.o3.np	Method	AAT/NAP
Start	5622	End	6071
GI	4415920	Score	304
Exons	5622..6071		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39073	Seq. ID	OJ991122_09.0330.C14
Gene No.	80510	Strand	-
Start	173	End	2958
Name	OJ991122_09.0330.C14.o2.tm	Method	TBLASTX:Maize
Start	171	End	1508
GI	none	Score	90
Exons	171..236, 173..241, 771..848, 774..848, 954..1013, 954..1013, 955..1023, 955..1014, 1087..1206, 1097..1135, 1103..1234, 1130..1234, 1424..1495, 1444..1503, 1445..1504, 1446..1508		

Seq. No.	39073	Seq. ID	OJ991122_09.0330.C14
Gene No.	80510	Strand	-
Start	173	End	2958
Name	OJ991122_09.0330.C14.o1.gs	Method	GENSCAN
Start	173	End	2892
GI	none	Score	.93
Exons	173..227, 772..849, 1128..1231, 1444..1520, 2370..2706, 2780..2892		

Seq. No.	39073	Seq. ID	OJ991122_09.0330.C14
Gene No.	80510	Strand	-
Start	173	End	2958
Name	OJ991122_09.0330.C14.o1.np	Method	AAT/NAP
Start	173	End	2958
GI	7305619	Score	549
Exons	173..227, 772..836, 949..1012, 1097..1231, 1444..1543, 2381..2712, 2774..2958		
GI Descrip.	ubiquitin specific protease 5 (isopeptidase T)		

gi|3024764|sp|P56399|UBP5_MOUSE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 5 (UBIQUITIN THIOLESTERASE 5) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 5) (DEUBIQUITINATING ENZYME 5) (ISOPEPTIDASE T) gi|3287373|gb|AAC36015.1| (AC002397) ISOT [Mus musculus]

Seq. No.	39073	Seq. ID	OJ991122_09.0330.C14
Gene No.	80510	Strand	-
Start	173	End	2958
Name	OJ991122_09.0330.C14.o1.gp	Method	AAT/GAP
Start	1184	End	2689
GI	65628_1.R1084	Score	850
Exons	1184..1231, 1444..1538, 2370..2689		
GI Descrip.	'3024764/sp|P56399|UBP1_MOUSE 1.0e-45 UBIQUITIN CARBOXYL-TERMINAL HYDROLASE T (UBIQUITIN THIOLESTERASE T) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE T) (DEUBIQUITINATING ENZYME T) (ISOPEPTIDASE T) >gi_3287373 (AC002397) ISOT [Mus musculus]'		

Seq. No.	39073	Seq. ID	OJ991122_09.0330.C14
Gene No.	80510	Strand	-
Start	173	End	2958
Name	OJ991122_09.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	2587	End	2896
GI	none	Score	142
Exons	2587..2709, 2587..2709, 2777..2896, 2780..2896		

Seq. No.	39074	Seq. ID	OJ991122_09.0330.C15
Gene No.	80511	Strand	+
Start	1	End	191
Name	OJ991122_09.0330.C15.o1.gp	Method	AAT/GAP
Start	1	End	131
GI	2428686	Score	239
Exons	1..131		
GI Descrip.	4415922/gb|AAD20153| 9.0e-38 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39074	Seq. ID	OJ991122_09.0330.C15
Gene No.	80511	Strand	+
Start	1	End	191
Name	OJ991122_09.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	191
GI	4415925	Score	103
Exons	1..191		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	39074	Seq. ID	OJ991122_09.0330.C15
Gene No.	80511	Strand	+
Start	1	End	191
Name	OJ991122_09.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	3	End	189
GI	none	Score	207
Exons	3..188, 3..188, 4..189		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80512	Strand	+
Start	3730	End	6178
Name	OJ991122_09.0330.C16.o1.gp	Method	AAT/GAP

Start	3697	End	4202
GI	uC-osrocyp011d03b1	Score	1008
Exons	3697..4202		
GI Descrip.	'4415922/gb|AAD20153| 9.0e-38 (AC006282) putative glucosyl transferase [Arabidopsis thaliana]'		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80512	Strand	+
Start	3730	End	6178
Name	OJ991122_09.0330.C16.o2.gs	Method	GENSCAN
Start	3730	End	4653
GI	none	Score	1
Exons	3730..4653		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80512	Strand	+
Start	3730	End	6178
Name	OJ991122_09.0330.C16.o2.np	Method	AAT/NAP
Start	3767	End	6178
GI	6862938	Score	366
Exons	3767..4147, 4181..4617, 6155..6178		
GI Descrip.	(AC019018) putative non-phototropic hypocotyl [Arabidopsis thaliana]		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80513	Strand	-
Start	1	End	1922
Name	OJ991122_09.0330.C16.o1.np	Method	AAT/NAP
Start	1	End	1922
GI	5734776	Score	201
Exons	1..625, 1899..1922		
GI Descrip.	(AC007980) 53021 [Arabidopsis thaliana]		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80514	Strand	-
Start	4995	End	5087
Name	OJ991122_09.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	3952	End	4617
GI	none	Score	70
Exons	3952..4011, 4063..4128, 4189..4335, 4465..4617		

Seq. No.	39075	Seq. ID	OJ991122_09.0330.C16
Gene No.	80514	Strand	-
Start	4995	End	5087
Name	OJ991122_09.0330.C16.o2.gp	Method	AAT/GAP
Start	4995	End	5087
GI	5867_1.R1084	Score	132
Exons	4995..5087		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	39076	Seq. ID	OJ991122_09.0330.C17

Gene No.	80515	Strand	-
Start	356	End	504
Name	OJ991122_09.0330.C17.o1.gs	Method	GENSCAN
Start	356	End	504
GI	none	Score	.53
Exons	356..504		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80516	Strand	+
Start	1120	End	4384
Name	OJ991122_09.0330.C18.o2.np	Method	AAT/NAP
Start	1120	End	4384
GI	6721547	Score	79
Exons	1120..1204, 4344..4384		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80516	Strand	+
Start	1120	End	4384
Name	OJ991122_09.0330.C18.o1.gs	Method	GENSCAN
Start	1662	End	2329
GI	none	Score	.92
Exons	1662..1970, 2063..2329		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80516	Strand	+
Start	1120	End	4384
Name	OJ991122_09.0330.C18.o3.np	Method	AAT/NAP
Start	1662	End	2326
GI	6862938	Score	173
Exons	1662..1970, 2063..2326		
GI Descrip.	(AC019018) putative non-phototropic hypocotyl [Arabidopsis thaliana]		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80517	Strand	-
Start	2056	End	2494
Name	OJ991122_09.0330.C18.o1.gp	Method	AAT/GAP
Start	2056	End	2494
GI	none	Score	834
Exons	2056..2494		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80518	Strand	-
Start	2550	End	4360
Name	OJ991122_09.0330.C18.o1.ts	Method	TBLASTX:Soybean
Start	1659	End	1970
GI	none	Score	181
Exons	1659..1889, 1757..1888, 1884..1970		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80518	Strand	-
Start	2550	End	4360
Name	OJ991122_09.0330.C18.o2.gp	Method	AAT/GAP
Start	2550	End	3143
GI	none	Score	1065
Exons	2550..3143		

Seq. No.	39077	Seq. ID	OJ991122_09.0330.C18
Gene No.	80518	Strand	-
Start	2550	End	4360
Name	OJ991122_09.0330.C18.o2.gs	Method	GENSCAN
Start	2806	End	4360
GI	none	Score	1
Exons	2806..4144, 4245..4360		

Seq. No.	39078	Seq. ID	OJ991122_09.0330.C21
Gene No.	80519	Strand	-
Start	196	End	2073
Name	OJ991122_09.0330.C21.o1.gp	Method	AAT/GAP
Start	196	End	2073
GI	63383_1.R1084	Score	1162
Exons	196..423, 756..887, 990..1160, 1831..1884, 1989..2073		
GI Descrip.	'3320122 6.0e-14 (U46007) espin [Rattus norvegicus]'		

Seq. No.	39078	Seq. ID	OJ991122_09.0330.C21
Gene No.	80519	Strand	-
Start	196	End	2073
Name	OJ991122_09.0330.C21.o1.gs	Method	GENSCAN
Start	284	End	2034
GI	none	Score	.8
Exons	284..423, 756..887, 990..1160, 1831..1884, 1989..2034		

Seq. No.	39078	Seq. ID	OJ991122_09.0330.C21
Gene No.	80519	Strand	-
Start	196	End	2073
Name	OJ991122_09.0330.C21.o1.np	Method	AAT/NAP
Start	284	End	1934
GI	6175185	Score	143
Exons	284..423, 756..887, 990..1160, 1831..1934		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	39079	Seq. ID	OJ990612_39.0317.C1
Gene No.	80520	Strand	-
Start	72	End	667
Name	OJ990612_39.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	229
GI	none	Score	85
Exons	3..131, 3..131, 4..132, 108..218, 122..217, 131..229, 132..218		

Seq. No.	39079	Seq. ID	OJ990612_39.0317.C1
Gene No.	80520	Strand	-
Start	72	End	667
Name	OJ990612_39.0317.C1.o1.gs	Method	GENSCAN
Start	72	End	667
GI	none	Score	.92
Exons	72..219, 618..667		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80521	Strand	+
Start	1470	End	4158
Name	OJ990612_39.0317.C2.o1.gs	Method	GENSCAN
Start	1470	End	4158
GI	none	Score	.49

Exons	1470..1553, 3438..3818, 4137..4158		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80522	Strand	+
Start	5885	End	8270
Name	OJ990612_39.0317.C2.o2.gs	Method	GENSCAN
Start	5885	End	8270
GI	none	Score	.9
Exons	5885..6196, 6211..6447, 8259..8270		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80523	Strand	+
Start	11761	End	13993
Name	OJ990612_39.0317.C2.o2.np	Method	AAT/NAP
Start	11761	End	13993
GI	7497302	Score	137
Exons	11761..11783, 12977..13032, 13100..13297, 13453..13544, 13865..13993		
GI Descrip.	hypothetical protein C41G7.6 - Caenorhabditis elegans gi|3874911|emb|CAB02844.1| (Z81048) cDNA EST EMBL:C13282 comes from this gene; cDNA EST yk232c5.3 comes from this gene; cDNA EST yk232c5.5 comes from this gene; cDNA EST yk364d3.3 comes from this gene; cDNA EST yk386a7.3 comes from this gene; cDNA EST yk386a7.5 comes from this g>		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80524	Strand	+
Start	20939	End	21304
Name	OJ990612_39.0317.C2.o3.gp	Method	AAT/GAP
Start	20939	End	21304
GI	2799378	Score	674
Exons	20939..21304		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80525	Strand	-
Start	1	End	3281
Name	OJ990612_39.0317.C2.o1.gp	Method	AAT/GAP
Start	1	End	3281
GI	4768977	Score	624
Exons	1..202, 3160..3281		
GI Descrip.	4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80525	Strand	-
Start	1	End	3281
Name	OJ990612_39.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	3280
GI	4768978	Score	518
Exons	1..202, 3160..3280		
GI Descrip.	(AF140489) kiaa0078 protein [Oryza sativa]		
Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80526	Strand	-
Start	3405	End	3676
Name	OJ990612_39.0317.C2.o2.gp	Method	AAT/GAP
Start	3405	End	3676

GI	572216	Score	527
Exons	3405..3676		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80527	Strand	-
Start	9460	End	20193
Name	OJ990612_39.0317.C2.o3.gs	Method	GENSCAN
Start	9460	End	20193
GI	none	Score	.66
Exons	9460..9530, 9836..10007, 10246..10829, 11558..11663, 11972..12016, 15178..15293, 15804..16018, 18080..18171, 18623..19009, 19684..20193		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	19	End	3327
GI	none	Score	63
Exons	19..87, 51..92, 57..203, 60..197, 85..204, 91..204, 3161..3298, 3162..3284, 3232..3327		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	20990	End	21501
GI	none	Score	195
Exons	20990..21037, 21132..21263, 21158..21313, 21158..21313, 21187..21315, 21402..21500, 21406..21501, 21409..21501		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o4.gs	Method	GENSCAN
Start	21390	End	22554
GI	none	Score	.9
Exons	21390..21596, 21709..21840, 21939..22076, 22178..22378, 22477..22554		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	21453	End	22061
GI	none	Score	142
Exons	21453..21596, 21460..21597, 21698..21793, 21706..21846, 21936..22061		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	21459	End	22064
GI	none	Score	182
Exons	21459..21596, 21460..21597, 21706..21843, 21707..21793, 21709..21843, 21711..21845, 21720..21881, 21910..22020,		

21938..22063, 21939..22064, 21939..22064

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	21781	End	22296
GI	none	Score	126
Exons	21781..21849, 21910..22077, 21911..22084, 21923..22078, 21939..22079, 22178..22294, 22179..22295, 22180..22296		

Seq. No.	39080	Seq. ID	OJ990612_39.0317.C2
Gene No.	80528	Strand	-
Start	21390	End	22963
Name	OJ990612_39.0317.C2.o4.gp	Method	AAT/GAP
Start	22228	End	22963
GI	LIB3433-047-P1-K1-D2	Score	611
Exons	22228..22378, 22477..22604, 22839..22963		
GI Descrip.	'2335096 3.0e-19 (AC002339) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80529	Strand	-
Start	1	End	2631
Name	OJ990612_39.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	2631
GI	2335096	Score	464
Exons	1..181, 567..817, 1007..1083, 1415..1498, 1626..1740, 1824..1948, 2240..2314, 2485..2631		
GI Descrip.	(AC002339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80530	Strand	-
Start	6819	End	6923
Name	OJ990612_39.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	291	End	487
GI	none	Score	107
Exons	291..476, 293..487, 341..481		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80530	Strand	-
Start	6819	End	6923
Name	OJ990612_39.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	1033	End	1728
GI	none	Score	96
Exons	1033..1095, 1034..1084, 1035..1085, 1407..1547, 1409..1543, 1415..1567, 1623..1727, 1624..1728		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80530	Strand	-
Start	6819	End	6923
Name	OJ990612_39.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	1412	End	2626
GI	none	Score	54
Exons	1412..1537, 1494..1532, 1617..1739, 1633..1743, 1829..1942, 1830..1892, 1889..1942, 2228..2314, 2235..2315, 2497..2625, 2501..2626		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80530	Strand	-
Start	6819	End	6923
Name	OJ990612_39.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	1886	End	2623
GI	none	Score	68
Exons	1886..1942, 2234..2308, 2235..2309, 2497..2622, 2501..2623		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80530	Strand	-
Start	6819	End	6923
Name	OJ990612_39.0317.C3.o1.gp	Method	AAT/GAP
Start	6819	End	6923
GI	LIB3433-026-P1-K1-E11	Score	150
Exons	6819..6923		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	39081	Seq. ID	OJ990612_39.0317.C3
Gene No.	80531	Strand	
Start	8383	End	9607
Name	OJ990612_39.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	8383	End	9607
GI	none	Score	139
Exons	8383..8487, 8383..8481, 8385..8486, 8597..8674, 8604..8690, 8604..8684, 9056..9169, 9060..9167, 9077..9184, 9438..9590, 9502..9594, 9503..9598, 9503..9607, 9528..9602		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	1820
GI	4006870	Score	603
Exons	1..268, 492..681, 768..929, 1156..1458, 1579..1820		
GI Descrip.	(Z99707) patatin-like protein [Arabidopsis thaliana]		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	50	End	929
GI	none	Score	162
Exons	50..211, 84..212, 84..212, 95..214, 210..260, 212..268, 213..269, 471..680, 472..690, 750..872, 767..871, 872..928, 873..929		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.gp	Method	AAT/GAP
Start	80	End	678
GI	uC-osflcyp176e09b1	Score	711
Exons	80..268, 483..678		
GI Descrip.	'4191779 3.0e-72 (AC005917) putative recA protein [Arabidopsis thaliana]'		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.gs	Method	GENSCAN
Start	87	End	1732
GI	none	Score	.84
Exons	87..268, 483..681, 768..929, 1156..1458, 1579..1732		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	87	End	1806
GI	none	Score	122
Exons	87..182, 95..187, 212..262, 213..263, 526..684, 537..665, 750..929, 803..928, 1155..1367, 1156..1455, 1747..1806		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	111	End	929
GI	none	Score	119
Exons	111..245, 113..205, 541..684, 591..668, 750..860, 788..850, 891..929		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	1155	End	1818
GI	none	Score	222
Exons	1155..1454, 1156..1458, 1350..1460, 1573..1686, 1678..1818		

Seq. No.	39082	Seq. ID	OJ990612_39.0317.C4
Gene No.	80532	Strand	+
Start	1	End	1820
Name	OJ990612_39.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	1186	End	1716
GI	none	Score	107
Exons	1186..1335, 1215..1325, 1354..1458, 1573..1716		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80533	Strand	+
Start	9685	End	11809
Name	OJ990612_39.0317.C5.o1.np	Method	AAT/NAP
Start	9685	End	11809
GI	6850316	Score	314
Exons	9685..10009, 11733..11809		
GI Descrip.	(AC009999) Contains similarity to an unknown protein from Arabidopsis thaliana gb|AC002335.2. ESTs gb|AI997584, gb|AA712406 come from this gene.		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80533	Strand	+
Start	9685	End	11809

Name	OJ990612_39.0317.C5.o2.gp	Method	AAT/GAP
Start	10991	End	11049
GI	2311279	Score	69
Exons	10991..11049		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80534	Strand	+
Start	15481	End	16453
Name	OJ990612_39.0317.C5.o2.np	Method	AAT/NAP
Start	15481	End	16453
GI	3763933	Score	206
Exons	15481..15639, 16356..16453		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80535	Strand	+
Start	16358	End	16453
Name	OJ990612_39.0317.C5.o4.gp	Method	AAT/GAP
Start	16358	End	16453
GI	uC-osf1cyp080d07b1	Score	184
Exons	16358..16453		
GI Descrip.	'3763933 1.0e-34 (AC004450) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80536	Strand	-
Start	7155	End	7364
Name	OJ990612_39.0317.C5.o2.gs	Method	GENSCAN
Start	7155	End	7364
GI	none	Score	.68
Exons	7155..7364		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80537	Strand	-
Start	8783	End	8883
Name	OJ990612_39.0317.C5.o1.gp	Method	AAT/GAP
Start	8783	End	8883
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	8783..8883		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80538	Strand	-
Start	15318	End	16453
Name	OJ990612_39.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	9613	End	10040
GI	none	Score	64
Exons	9613..9678, 9778..9963, 9868..9915, 9903..9971, 9960..10040, 9967..10014		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80538	Strand	-
Start	15318	End	16453
Name	OJ990612_39.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	9784	End	11812

GI	none	Score	221
Exons	9784..9936, 9979..10011, 11732..11812		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80538	Strand	-
Start	15318	End	16453
Name	OJ990612_39.0317.C5.o4.gs	Method	GENSCAN
Start	15318	End	15633
GI	none	Score	.87
Exons	15318..15633		

Seq. No.	39083	Seq. ID	OJ990612_39.0317.C5
Gene No.	80538	Strand	-
Start	15318	End	16453
Name	OJ990612_39.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	15447	End	16453
GI	none	Score	80
Exons	15447..15635, 15460..15522, 15538..15639, 16349..16453, 16350..16448, 16355..16453		

Seq. No.	39084	Seq. ID	OJ990612_39.0317.C6
Gene No.	80539	Strand	+
Start	1	End	2506
Name	OJ990612_39.0317.C6.o1.gp	Method	AAT/GAP
Start	1	End	1063
GI	uC-osf1cyp080d07b1	Score	496
Exons	1..195, 331..375, 650..709, 927..1063		
GI Descrip.	'3763933 1.0e-34 (AC004450) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39084	Seq. ID	OJ990612_39.0317.C6
Gene No.	80539	Strand	+
Start	1	End	2506
Name	OJ990612_39.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	2501
GI	3763933	Score	401
Exons	1..200, 300..375, 650..709, 955..1082, 1626..1903, 2390..2501		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	39084	Seq. ID	OJ990612_39.0317.C6
Gene No.	80539	Strand	+
Start	1	End	2506
Name	OJ990612_39.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	115	End	1055
GI	none	Score	111
Exons	115..195, 118..198, 156..200, 322..378, 325..375, 327..377, 643..705, 644..709, 924..1055, 924..1052, 926..1054		

Seq. No.	39084	Seq. ID	OJ990612_39.0317.C6
Gene No.	80539	Strand	+
Start	1	End	2506
Name	OJ990612_39.0317.C6.o1.gs	Method	GENSCAN
Start	118	End	2497
GI	none	Score	.86
Exons	118..195, 331..375, 650..709, 927..1049, 1628..1705, 1834..1903, 2390..2497		

Seq. No.	39084	Seq. ID	OJ990612_39.0317.C6
Gene No.	80539	Strand	+
Start	1	End	2506
Name	OJ990612_39.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	1641	End	2506
GI	none	Score	102
Exons	1641..1703, 1643..1705, 1643..1705, 1828..1905, 1833..1904, 2388..2501, 2389..2502, 2396..2506		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	806
GI	6002033	Score	69
Exons	1..151, 728..806		
GI Descrip.	(X84117) ribosomal protein S4 [Butomus umbellatus]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o3.np	Method	AAT/NAP
Start	507	End	1576
GI	13205	Score	137
Exons	507..692, 1502..1576		
GI Descrip.	(X16936) Fo-ATPase subunit 9 (AA 1-87) [Oryza sativa]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o1.gs	Method	GENSCAN
Start	520	End	3878
GI	none	Score	.5
Exons	520..671, 1058..1123, 1687..1777, 2297..2357, 3036..3161, 3335..3378, 3513..3706, 3771..3878		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o8.np	Method	AAT/NAP
Start	2581	End	2825
GI	7489622	Score	355
Exons	2581..2825		
GI Descrip.	hypothetical protein 83 - rice mitochondrion gi|769718|dbj|BAA06822.1| (D32052) ORF83 [Oryza sativa]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o9.np	Method	AAT/NAP
Start	3276	End	4849
GI	629811	Score	60
Exons	3276..3403, 4813..4849		
GI Descrip.	hypothetical protein 33 (coxI 5' region) - rice mitochondrion gi|870713 (M57903) unknown protein [Oryza sativa]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7

Gene No.	80540	Strand	+
Start	1	End	4990
Name	OJ990612_39.0317.C7.o10.np	Method	AAT/NAP
Start	4415	End	4990
GI	2130159	Score	222
Exons	4415..4476, 4797..4990		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi|902275|emb|CAA60340| (X86563) ORF85 [Zea mays] gi|902296|emb|CAA60360| (X86563) ORF85 [Zea mays]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o2.np	Method	AAT/NAP
Start	1	End	5133
GI	6692688	Score	126
Exons	1..35, 332..467, 5106..5133		
GI Descrip.	(AC007592) F12K11.17 [Arabidopsis thaliana]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	334	End	468
GI	none	Score	107
Exons	334..468, 335..451		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o7.np	Method	AAT/NAP
Start	654	End	2061
GI	7459979	Score	378
Exons	654..683, 1811..2061		
GI Descrip.	hypothetical protein 136 - rice mitochondrion gi|769725|dbj|BAA06829.1| (D32052) ORF136 [Oryza sativa]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o4.np	Method	AAT/NAP
Start	688	End	2012
GI	7524689	Score	108
Exons	688..842, 1982..2012		
GI Descrip.	ribosomal protein L14 gi|1172961|sp|P41633|RK14_PINTH CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|7440853|pir||T07522 ribosomal protein L14 - Japanese black pine chloroplast gi|1262683|dbj|BAA04400.1| (D17510) ribosomal protein L14 [Pinus thunbergii]		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o5.np	Method	AAT/NAP
Start	839	End	2427
GI	100519	Score	75
Exons	839..1033, 2403..2427		

GI Descrip. hypothetical protein 873 - common sunflower gi|12992|emb|CAA44478| (X62592) ORF 873 [Helianthus annuus] gi|758363|emb|CAA37614| (X53537) orfH522 [Helianthus annuus]

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	980	End	1337
GI	none	Score	45
Exons	980..1006, 982..1008, 982..1008, 1002..1040, 1003..1041, 1004..1042, 1034..1096, 1038..1097, 1039..1098, 1080..1136, 1088..1126, 1093..1137, 1093..1137, 1116..1226, 1116..1226, 1117..1227, 1203..1244, 1205..1252, 1241..1336, 1242..1337, 1243..1335, 1265..1336		

Seq. No.	39085	Seq. ID	OJ990612_39.0317.C7
Gene No.	80541	Strand	-
Start	1	End	5133
Name	OJ990612_39.0317.C7.o6.np	Method	AAT/NAP
Start	1334	End	4631
GI	133416	Score	364
Exons	1334..1588, 4602..4631		

GI Descrip. DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]

Seq. No.	39086	Seq. ID	OJ990612_39.0317.C8
Gene No.	80542	Strand	+
Start	837	End	1142
Name	OJ990612_39.0317.C8.o1.np	Method	AAT/NAP
Start	837	End	1142
GI	13205	Score	148
Exons	837..992, 1041..1142		

GI Descrip. (X16936) Fo-ATPase subunit 9 (AA 1-87) [Oryza sativa]

Seq. No.	39086	Seq. ID	OJ990612_39.0317.C8
Gene No.	80543	Strand	-
Start	1018	End	1366
Name	OJ990612_39.0317.C8.o2.np	Method	AAT/NAP
Start	1018	End	1366
GI	7524689	Score	100
Exons	1018..1366		

GI Descrip. ribosomal protein L14 gi|1172961|sp|P41633|RK14_PINTH CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|7440853|pir||T07522 ribosomal protein L14 - Japanese black pine chloroplast gi|1262683|dbj|BAA04400.1| (D17510) ribosomal protein L14 [Pinus thunbergii]

Seq. No.	39086	Seq. ID	OJ990612_39.0317.C8
Gene No.	80544	Strand	-
Start	1571	End	1766
Name	OJ990612_39.0317.C8.o1.gs	Method	GENSCAN
Start	1571	End	1766
GI	none	Score	.75
Exons	1571..1646, 1693..1766		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80545	Strand	+
Start	1	End	3113
Name	OJ990612_39.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	2716
GI	7486615	Score	1086
Exons	1..337, 591..801, 997..1294, 1719..2090, 2191..2268, 2463..2716		
GI Descrip.	hypothetical protein F7L13.20 - Arabidopsis thaliana gi|4539404|emb|CAB40037.1| (AL049524) putative protein [Arabidopsis thaliana] gi|7267741|emb|CAB78167.1| (AL161517) putative protein [Arabidopsis thaliana]		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80545	Strand	+
Start	1	End	3113
Name	OJ990612_39.0317.C9.o1.gs	Method	GENSCAN
Start	122	End	2682
GI	none	Score	.81
Exons	122..337, 591..761, 987..1294, 1719..2090, 2191..2268, 2463..2682		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80545	Strand	+
Start	1	End	3113
Name	OJ990612_39.0317.C9.o1.gp	Method	AAT/GAP
Start	2198	End	3113
GI	36430_1.R1084	Score	1412
Exons	2198..2268, 2463..3113		
GI Descrip.	'4531446/gb|AAD22131.1|AC006224_13 9.0e-21 (AC006224) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80546	Strand	+
Start	5119	End	8271
Name	OJ990612_39.0317.C9.o3.np	Method	AAT/NAP
Start	5119	End	8271
GI	2880051	Score	107
Exons	5119..5172, 6914..7051, 8251..8271		
GI Descrip.	(AC002340) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80546	Strand	+
Start	5119	End	8271
Name	OJ990612_39.0317.C9.o2.gp	Method	AAT/GAP
Start	7479	End	8036
GI	36430_1.R1084	Score	769
Exons	7479..8036		
GI Descrip.	'4531446/gb|AAD22131.1|AC006224_13 9.0e-21 (AC006224) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o2.tc	Method	TBLASTX:Cress
Start	107	End	1907
GI	none	Score	55

Exons	107..163, 218..340, 591..788, 993..1229, 1005..1220, 1758..1907, 1759..1905		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o3.tw	Method	TBLASTX:Wheat
Start	226	End	760
GI	none	Score	115
Exons	226..339, 227..340, 590..760, 591..758		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	590	End	2643
GI	none	Score	208
Exons	590..787, 591..788, 633..791, 996..1088, 1002..1229, 1752..1904, 1753..1926, 1918..2091, 1926..2096, 2191..2286, 2192..2266, 2461..2643, 2485..2643		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	729	End	2643
GI	none	Score	83
Exons	729..788, 996..1295, 996..1076, 1034..1297, 1720..1755, 1756..1914, 1758..1904, 1927..2091, 1933..2022, 1947..2096, 2192..2260, 2461..2643, 2476..2640		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	993	End	1229
GI	none	Score	246
Exons	993..1229, 997..1113, 1034..1216		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	1771	End	2529
GI	none	Score	95
Exons	1771..1902, 1868..1981, 1902..2096, 1916..1981, 1918..2091, 2191..2271, 2192..2260, 2461..2529		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	1918	End	2260
GI	none	Score	174
Exons	1918..2091, 1935..2096, 2192..2260		
Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9

Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o2.gs	Method	GENSCAN
Start	3479	End	8180
GI	none	Score	.77
Exons	3479..3547, 4022..4233, 4318..4409, 6684..6802, 6936..7020, 7493..7609, 8083..8180		

Seq. No.	39087	Seq. ID	OJ990612_39.0317.C9
Gene No.	80547	Strand	-
Start	3479	End	8180
Name	OJ990612_39.0317.C9.o3.gp	Method	AAT/GAP
Start	7479	End	8036
GI	36430_1.R1084	Score	771
Exons	7479..8036		
GI Descrip.	'4531446/gb|AAD22131.1|AC006224_13 9.0e-21 (AC006224) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80548	Strand	+
Start	1816	End	4699
Name	OJ990612_39.0317.C10.o1.gs	Method	GENSCAN
Start	1816	End	4699
GI	none	Score	.9
Exons	1816..1846, 2772..3022, 3128..3254, 3393..3666, 4044..4176, 4367..4453, 4562..4655, 4686..4699		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80548	Strand	+
Start	1816	End	4699
Name	OJ990612_39.0317.C10.o1.np	Method	AAT/NAP
Start	2551	End	4690
GI	2880051	Score	1193
Exons	2551..2641, 2772..3022, 3128..3254, 3393..3666, 4044..4176, 4367..4453, 4562..4690		
GI Descrip.	(AC002340) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	2554	End	4635
GI	none	Score	68
Exons	2554..2592, 2770..2982, 2771..2983, 2876..2983, 2971..3024, 2984..3025, 3116..3244, 3127..3258, 3128..3256, 3373..3669, 3392..3667, 4044..4187, 4045..4176, 4351..4455, 4352..4459, 4559..4633, 4561..4635		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o1.tw	Method	TBLASTX:Wheat
Start	2554	End	3246
GI	none	Score	69
Exons	2554..2649, 2803..3024, 2804..3025, 2870..3025, 3126..3233, 3127..3246, 3128..3244, 3142..3246		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	2788	End	3625
GI	none	Score	187
Exons	2788..2982, 2789..2986, 3024..3107, 3124..3258, 3128..3256, 3373..3621, 3392..3625, 3398..3625		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	2811	End	4641
GI	none	Score	246
Exons	2811..2999, 2813..3025, 2815..3024, 3116..3256, 3127..3258, 3128..3256, 3366..3659, 3376..3669, 3392..3667, 4044..4187, 4045..4176, 4348..4446, 4351..4455, 4352..4459, 4559..4633, 4561..4635, 4561..4641		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o3.tw	Method	TBLASTX:Wheat
Start	3431	End	4119
GI	none	Score	180
Exons	3431..3607, 3517..3606, 3626..3667, 3637..3696, 4045..4119		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.tc	Method	TBLASTX:Cress
Start	3635	End	4208
GI	none	Score	63
Exons	3635..3670, 4038..4178, 4038..4208, 4039..4179		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.tw	Method	TBLASTX:Wheat
Start	4120	End	4666
GI	none	Score	98
Exons	4120..4176, 4122..4187, 4351..4455, 4352..4459, 4559..4633, 4561..4635, 4565..4666		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o3.tc	Method	TBLASTX:Cress
Start	4358	End	4682
GI	none	Score	138
Exons	4358..4459, 4366..4455, 4559..4633, 4561..4638, 4578..4682		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.np	Method	AAT/NAP

Start	4822	End	7245
GI	3763933	Score	143
Exons	4822..4858, 7022..7245		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.gs	Method	GENSCAN
Start	6317	End	7155
GI	none	Score	.67
Exons	6317..6427, 6685..6733, 6870..6940, 7022..7155		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.tm	Method	TBLASTX:Maize
Start	6552	End	7130
GI	none	Score	65
Exons	6552..6608, 6560..6613, 6569..6619, 6872..6910, 6893..6958, 6914..6955, 7022..7129, 7056..7130		

Seq. No.	39088	Seq. ID	OJ990612_39.0317.C10
Gene No.	80549	Strand	-
Start	4822	End	7245
Name	OJ990612_39.0317.C10.o2.ts	Method	TBLASTX:Soybean
Start	6566	End	7160
GI	none	Score	132
Exons	6566..6613, 7022..7159, 7059..7160, 7065..7160		

Seq. No.	39089	Seq. ID	OJ990612_39.0317.C11
Gene No.	80550	Strand	-
Start	1	End	648
Name	OJ990612_39.0317.C11.o1.gp	Method	AAT/GAP
Start	1	End	548
GI	none	Score	1024
Exons	1..548		

Seq. No.	39089	Seq. ID	OJ990612_39.0317.C11
Gene No.	80550	Strand	-
Start	1	End	648
Name	OJ990612_39.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	469
GI	none	Score	116
Exons	1..180, 2..166, 223..279, 223..294, 365..469, 366..467		

Seq. No.	39089	Seq. ID	OJ990612_39.0317.C11
Gene No.	80550	Strand	-
Start	1	End	648
Name	OJ990612_39.0317.C11.o1.gs	Method	GENSCAN
Start	35	End	648
GI	none	Score	.45
Exons	35..648		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341

Name	OJ990612_39.0317.C12.o1.gs	Method	GENSCAN
Start	16	End	8389
GI	none	Score	.48
Exons	16..67, 613..721, 811..940, 1223..1308, 1931..1979, 2163..2579, 4047..4213, 4635..4751, 5376..5459, 5622..5744, 6199..6341, 6399..6470, 7528..7702, 8353..8389		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o1.gp	Method	AAT/GAP
Start	34	End	528
GI	uC-osflM202037f07b1	Score	749
Exons	34..281, 357..528		
GI Descrip.	'4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]'		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o2.tm	Method	TBLASTX:Maize
Start	680	End	1366
GI	none	Score	75
Exons	680..721, 681..722, 809..943, 810..941, 811..942, 812..943, 1222..1356, 1223..1324, 1325..1366		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o1.np	Method	AAT/NAP
Start	6398	End	12341
GI	6503010	Score	795
Exons	6398..6420, 10050..10796, 10886..11091, 11683..11930, 12021..12341		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o2.gs	Method	GENSCAN
Start	9196	End	11930
GI	none	Score	.63
Exons	9196..9648, 9709..10796, 10886..11091, 11683..11930		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o1.tc	Method	TBLASTX:Cress
Start	10917	End	12133
GI	none	Score	82
Exons	10917..11069, 11684..11740, 11685..11741, 11783..11929, 11784..11930, 11792..11932, 12018..12131, 12018..12131, 12023..12133, 12071..12133		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341

Name	OJ990612_39.0317.C12.o3.tm	Method	TBLASTX:Maize
Start	10944	End	11777
GI	none	Score	225
Exons	10944..11144, 10971..11123, 11012..11128, 11675..11740, 11680..11736, 11682..11777, 11682..11777		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o1.ts	Method	TBLASTX:Soybean
Start	10989	End	11929
GI	none	Score	146
Exons	10989..11090, 10992..11144, 11682..11741, 11775..11927, 11783..11929, 11784..11927		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o2.gp	Method	AAT/GAP
Start	11686	End	12133
GI	24131_1.R1084	Score	644
Exons	11686..11930, 12021..12133		
GI Descrip.	'2281090 6.0e-58 (AC002333) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39090	Seq. ID	OJ990612_39.0317.C12
Gene No.	80551	Strand	+
Start	16	End	12341
Name	OJ990612_39.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	11780	End	12133
GI	none	Score	239
Exons	11780..11929, 11781..11930, 11806..11931, 12018..12131, 12018..12131, 12023..12133, 12023..12133		

Seq. No.	39091	Seq. ID	OJ990612_39.0317.C13
Gene No.	80552	Strand	+
Start	486	End	1129
Name	OJ990612_39.0317.C13.o1.gs	Method	GENSCAN
Start	490	End	1019
GI	none	Score	.47
Exons	490..549, 717..1019		

Seq. No.	39092	Seq. ID	OJ990612_37.0317.C1
Gene No.	80553	Strand	+
Start	1	End	746
Name	OJ990612_37.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	746
GI	4581169	Score	80
Exons	1..288, 656..746		
GI Descrip.	(AC006220) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39092	Seq. ID	OJ990612_37.0317.C1
Gene No.	80553	Strand	+
Start	1	End	746
Name	OJ990612_37.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	77	End	322

GI	none	Score	218
Exons	77..322		

Seq. No.	39093	Seq. ID	OJ990612_37.0317.C2
Gene No.	80554	Strand	+
Start	407	End	500
Name	OJ990612_37.0317.C2.o1.np	Method	AAT/NAP
Start	407	End	500
GI	5042454	Score	74
Exons	407..500		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80555	Strand	+
Start	4248	End	4833
Name	OJ990612_37.0317.C4.o2.gs	Method	GENSCAN
Start	4248	End	4833
GI	none	Score	.92
Exons	4248..4304, 4354..4833		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80556	Strand	+
Start	6160	End	6364
Name	OJ990612_37.0317.C4.o1.gp	Method	AAT/GAP
Start	6160	End	6364
GI	none	Score	306
Exons	6160..6364		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80557	Strand	+
Start	11387	End	17013
Name	OJ990612_37.0317.C4.o4.np	Method	AAT/NAP
Start	11387	End	17013
GI	5295971	Score	371
Exons	11387..11431, 16744..17013		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	17013
GI	4868120	Score	553
Exons	1..28, 4331..4405, 8460..8524, 8809..9191, 9716..9897, 9984..10096, 10176..10284, 10861..11117, 16817..17013		
GI Descrip.	(AF116556) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.gs	Method	GENSCAN
Start	1973	End	3163
GI	none	Score	.68
Exons	1973..2023, 2449..2653, 2687..3020, 3070..3163		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o3.gs	Method	GENSCAN
Start	6515	End	16961
GI	none	Score	.82
Exons	6515..6569, 7133..7167, 7223..7300, 8030..8338, 8729..9191, 9716..9897, 9954..10096, 10176..10284, 10861..11317, 12351..14507, 15701..16224, 16301..16465, 16554..16961		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o8.tm	Method	TBLASTX:Maize
Start	7131	End	7315
GI	none	Score	56
Exons	7131..7175, 7131..7199, 7132..7191, 7182..7301, 7186..7302, 7199..7315		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	8090	End	8513
GI	none	Score	71
Exons	8090..8221, 8105..8242, 8132..8245, 8146..8271, 8147..8272, 8276..8512, 8281..8511, 8285..8512, 8301..8513		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	8517	End	9175
GI	none	Score	106
Exons	8517..8651, 8518..8643, 8547..8648, 8732..8809, 8733..8804, 8890..9060, 8906..9112, 8909..9109, 9146..9175, 9150..9173		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	9709	End	10998
GI	none	Score	62
Exons	9709..9795, 9710..9793, 9799..9966, 9814..9903, 9984..10079, 9988..10062, 10121..10258, 10174..10269, 10845..10934, 10858..10929, 10858..10998, 10862..10993		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	11040	End	11319
GI	none	Score	64
Exons	11040..11117, 11041..11118, 11042..11119, 11042..11119, 11124..11318, 11125..11319, 11125..11316, 11126..11317		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4

Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o7.tm	Method	TBLASTX:Maize
Start	12378	End	12820
GI	none	Score	94
Exons	12378..12437, 12379..12468, 12380..12499, 12467..12538, 12547..12594, 12597..12818, 12605..12820, 12641..12820		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o2.gp	Method	AAT/GAP
Start	13043	End	13246
GI	none	Score	379
Exons	13043..13246		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o3.np	Method	AAT/NAP
Start	15637	End	17013
GI	5295971	Score	1624
Exons	15637..16727, 16973..17013		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	15661	End	16877
GI	none	Score	55
Exons	15661..15894, 15794..15880, 15976..16107, 15977..16105, 16144..16287, 16187..16294, 16751..16849, 16752..16877		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	15670	End	17009
GI	none	Score	94
Exons	15670..15888, 15704..15880, 15958..16035, 15959..16036, 16045..16107, 16046..16108, 16099..16305, 16154..16297, 16790..16867, 16791..16871, 16938..17009, 16946..17008		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	15671	End	17013
GI	none	Score	255
Exons	15671..15895, 15671..16057, 15673..15960, 15673..16059, 15822..15980, 15953..16060, 16767..17012, 16767..17012, 16882..17013		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4

Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	15700	End	17012
GI	none	Score	63
Exons	15700..15903, 15713..15880, 15949..16092, 15959..16036, 16736..16867, 16752..16877, 16923..17012		

Seq. No.	39094	Seq. ID	OJ990612_37.0317.C4
Gene No.	80558	Strand	-
Start	1	End	17013
Name	OJ990612_37.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	16241	End	16628
GI	none	Score	46
Exons	16241..16291, 16243..16317, 16243..16287, 16271..16498, 16289..16498, 16290..16499, 16489..16578, 16503..16628, 16569..16628		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80559	Strand	+
Start	1	End	139
Name	OJ990612_37.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	139
GI	5295971	Score	195
Exons	1..139		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80560	Strand	+
Start	13866	End	20018
Name	OJ990612_37.0317.C5.o3.np	Method	AAT/NAP
Start	13866	End	20018
GI	7228457	Score	9245
Exons	13866..14232, 14294..16229, 16293..17127, 17250..18401, 18468..20018		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80561	Strand	-
Start	1	End	8532
Name	OJ990612_37.0317.C5.o2.np	Method	AAT/NAP
Start	1	End	4279
GI	5295971	Score	5575
Exons	1..61, 465..3802, 3848..4279		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80561	Strand	-
Start	1	End	8532
Name	OJ990612_37.0317.C5.o1.gs	Method	GENSCAN
Start	608	End	8532

GI	none	Score	.73
Exons	608..861, 879..980, 1002..1171, 1185..1497, 1508..2401, 2412..2731, 2761..2859, 2875..3068, 3215..3470, 3540..4299, 4430..4530, 6638..6714, 8089..8160, 8389..8532		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	541	End	999
GI	5509260	Score	66
Exons	541..624, 543..644, 650..721, 716..841, 844..999		
GI Descrip.	-		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o10.tw	Method	TBLASTX:Wheat
Start	543	End	838
GI	none	Score	55
Exons	543..644, 544..624, 644..721, 716..838, 744..824		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o7.tm	Method	TBLASTX:Maize
Start	656	End	948
GI	none	Score	62
Exons	656..721, 656..721, 698..853, 744..824, 841..948, 844..912		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	1527	End	1925
GI	none	Score	83
Exons	1527..1595, 1617..1790, 1633..1788, 1788..1925, 1798..1920		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	1533	End	19493
GI	none	Score	297
Exons	1533..1790, 1533..1790, 1534..1791, 1776..1925, 1788..1952, 1789..1956, 19353..19493		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o8.tw	Method	TBLASTX:Wheat
Start	1611	End	2159
GI	none	Score	55
Exons	1611..1691, 1698..1775, 1788..2159, 1795..1944		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-

Start	20667	End	21870
Name	OJ990612_37.0317.C5.o5.ts	Method	TBLASTX:Soybean
Start	2013	End	2294
GI	none	Score	202
Exons	2013..2294, 2118..2198		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o7.tw	Method	TBLASTX:Wheat
Start	2232	End	2677
GI	none	Score	73
Exons	2232..2312, 2331..2411, 2413..2676, 2431..2544, 2432..2677		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o8.tm	Method	TBLASTX:Maize
Start	2352	End	2587
GI	none	Score	55
Exons	2352..2411, 2353..2412, 2401..2586, 2409..2561, 2432..2587		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	2602	End	3316
GI	none	Score	294
Exons	2602..2853, 2613..2861, 2614..2850, 2833..2964, 2843..2956, 2844..3023, 2898..3020, 2943..3062, 3043..3234, 3044..3250, 3044..3250, 3045..3254, 3237..3299, 3248..3301, 3248..3316		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o6.tm	Method	TBLASTX:Maize
Start	3551	End	3889
GI	none	Score	239
Exons	3551..3889, 3551..3811, 3658..3834		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o6.tw	Method	TBLASTX:Wheat
Start	14520	End	14912
GI	none	Score	58
Exons	14520..14567, 14574..14672, 14579..14671, 14639..14878, 14655..14912		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o10.tm	Method	TBLASTX:Maize
Start	14525	End	14810
GI	none	Score	195
Exons	14525..14809, 14562..14810		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o5.tw	Method	TBLASTX:Wheat
Start	14920	End	18380
GI	none	Score	234
Exons	14920..14973, 17922..18170, 17946..18170, 18011..18184, 18231..18380, 18242..18379		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o3.tw	Method	TBLASTX:Wheat
Start	15650	End	16133
GI	none	Score	412
Exons	15650..15823, 15651..16133, 15845..16105, 15915..16109		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	16301	End	16763
GI	none	Score	580
Exons	16301..16762, 16302..16763		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o6.ts	Method	TBLASTX:Soybean
Start	16341	End	16706
GI	none	Score	117
Exons	16341..16565, 16572..16706		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	16431	End	16787
GI	none	Score	384
Exons	16431..16787, 16466..16777, 16497..16787		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o5.tm	Method	TBLASTX:Maize
Start	16814	End	17198
GI	none	Score	360
Exons	16814..17179, 16815..17198		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	16872	End	17296
GI	none	Score	488
Exons	16872..17291, 16877..17296		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	16950	End	17321
GI	none	Score	271
Exons	16950..17321, 16967..17110		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o4.ts	Method	TBLASTX:Soybean
Start	18069	End	18635
GI	5666795	Score	68
Exons	18069..18167, 18243..18380, 18435..18635		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o11.tw	Method	TBLASTX:Wheat
Start	18383	End	18695
GI	none	Score	190
Exons	18383..18559, 18435..18695		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	18888	End	19211
GI	none	Score	362
Exons	18888..19211, 18917..19198		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o4.tw	Method	TBLASTX:Wheat
Start	19025	End	19426
GI	none	Score	373
Exons	19025..19081, 19026..19406, 19127..19426		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o9.tw	Method	TBLASTX:Wheat
Start	19431	End	20009
GI	none	Score	242
Exons	19431..19691, 19433..19690, 19455..19745, 19883..20005, 19884..20009		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o9.tm	Method	TBLASTX:Maize
Start	19878	End	20048
GI	none	Score	197
Exons	19878..20048, 19883..20047		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o3.gs	Method	GENSCAN
Start	20667	End	21776
GI	none	Score	1
Exons	20667..21776		

Seq. No.	39095	Seq. ID	OJ990612_37.0317.C5
Gene No.	80562	Strand	-
Start	20667	End	21870
Name	OJ990612_37.0317.C5.o4.np	Method	AAT/NAP
Start	20670	End	21870
GI	7228456	Score	1481
Exons	20670..21870		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80563	Strand	+
Start	1	End	10195
Name	OJ990612_37.0317.C6.o3.np	Method	AAT/NAP
Start	1	End	10195
GI	461955	Score	106
Exons	1..95, 9492..9819, 10060..10195		
GI Descrip.	PRESPORE PROTEIN DP87 PRECURSOR gi|217302|dbj|BAA03083.1| (D13973) Dp87 protein [Dictyostelium discoideum]		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80564	Strand	-
Start	1	End	1973
Name	OJ990612_37.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	1973
GI	6907089	Score	2519
Exons	1..617, 712..1973		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80564	Strand	-
Start	1	End	1973
Name	OJ990612_37.0317.C6.o1.gs	Method	GENSCAN
Start	7	End	1973
GI	none	Score	.83
Exons	7..617, 712..880, 908..1973		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80565	Strand	-
Start	2498	End	3665
Name	OJ990612_37.0317.C6.o2.gs	Method	GENSCAN
Start	2498	End	2966
GI	none	Score	.66
Exons	2498..2705, 2818..2893, 2912..2966		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80565	Strand	-
Start	2498	End	3665
Name	OJ990612_37.0317.C6.o2.np	Method	AAT/NAP

Start	2823	End	3665
GI	5922623	Score	351
Exons	2823..2893, 3062..3209, 3585..3665		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80566	Strand	-
Start	9562	End	10356
Name	OJ990612_37.0317.C6.o4.gs	Method	GENSCAN
Start	9562	End	10356
GI	none	Score	1
Exons	9562..10356		

Seq. No.	39096	Seq. ID	OJ990612_37.0317.C6
Gene No.	80566	Strand	-
Start	9562	End	10356
Name	OJ990612_37.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	9580	End	9723
GI	none	Score	153
Exons	9580..9723, 9581..9712		

Seq. No.	39097	Seq. ID	OJ990612_37.0317.C8
Gene No.	80567	Strand	-
Start	1	End	613
Name	OJ990612_37.0317.C8.o1.np	Method	AAT/NAP
Start	1	End	613
GI	7488317	Score	227
Exons	1..613		
GI Descrip.	RNA-directed DNA polymerase homolog F19F24.2 - Arabidopsis thaliana gi|4185148|gb|AAD08951.1| (AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39097	Seq. ID	OJ990612_37.0317.C8
Gene No.	80567	Strand	-
Start	1	End	613
Name	OJ990612_37.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	53	End	472
GI	none	Score	121
Exons	53..181, 248..472		

Seq. No.	39097	Seq. ID	OJ990612_37.0317.C8
Gene No.	80567	Strand	-
Start	1	End	613
Name	OJ990612_37.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	56	End	454
GI	none	Score	72
Exons	56..199, 57..200, 218..454		

Seq. No.	39097	Seq. ID	OJ990612_37.0317.C8
Gene No.	80567	Strand	-
Start	1	End	613
Name	OJ990612_37.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	131	End	547
GI	none	Score	73
Exons	131..208, 281..547, 285..536		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80568	Strand	+
Start	90	End	3183
Name	OJ990612_37.0317.C9.o1.gs	Method	GENSCAN
Start	90	End	3183
GI	none	Score	.47
Exons	90..177, 392..505, 1050..1125, 1454..1533, 1565..1718, 1918..2075, 3032..3183		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80568	Strand	+
Start	90	End	3183
Name	OJ990612_37.0317.C9.o2.np	Method	AAT/NAP
Start	1168	End	1307
GI	7523512	Score	100
Exons	1168..1307		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80569	Strand	+
Start	6907	End	7350
Name	OJ990612_37.0317.C9.o1.gp	Method	AAT/GAP
Start	6907	End	7350
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	6907..6943, 7280..7350		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80570	Strand	+
Start	19810	End	26824
Name	OJ990612_37.0317.C9.o4.gs	Method	GENSCAN
Start	19810	End	26824
GI	none	Score	.82
Exons	19810..19938, 20496..20573, 21745..21816, 21834..21891, 22088..22186, 23323..23569, 23884..23937, 24520..24548, 25583..25744, 26274..26402, 26430..26824		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80571	Strand	+
Start	38473	End	39287
Name	OJ990612_37.0317.C9.o6.gs	Method	GENSCAN
Start	38473	End	39287
GI	none	Score	.8
Exons	38473..38883, 38889..39287		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o6.np	Method	AAT/NAP
Start	50573	End	61050
GI	4160292	Score	2391
Exons	50573..50617, 52054..52134, 52264..52337, 52826..53037, 53565..53686, 54256..54341, 54890..54984, 55282..55363, 55778..55884, 56071..56101, 56646..56763, 57059..57112,		

	58356..58465, 58573..58675, 58894..58992, 59176..59286, 59396..59631, 60269..60506, 60626..60704, 60818..61050
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o6.gp	Method	AAT/GAP
Start	54299	End	56780
GI	uC-osflcyp013h11b1	Score	838
Exons	54299..54341, 54890..54984, 55282..55363, 55778..55884, 56071..56101, 56646..56780		
GI Descrip.	'4160292/emb|CAA77084| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o10.gs	Method	GENSCAN
Start	54325	End	61053
GI	none	Score	.82
Exons	54325..54341, 55778..55884, 56071..56101, 56646..56763, 57062..57112, 58356..58380, 58536..58675, 58894..58992, 59396..59502, 60269..60506, 60626..60649, 60778..61053		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o7.gp	Method	AAT/GAP
Start	57076	End	59205
GI	2310418	Score	663
Exons	57076..57112, 58356..58465, 58573..58675, 58894..58992, 59176..59205		
GI Descrip.	4160292/emb|CAA77084| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o8.gp	Method	AAT/GAP
Start	59198	End	60378
GI	LIB3433-018-Q6-K6-A8	Score	790
Exons	59198..59286, 59396..59631, 60269..60378		
GI Descrip.	'4160292/emb|CAA77084| 2.0e-41 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80572	Strand	+
Start	50573	End	61259
Name	OJ990612_37.0317.C9.o9.gp	Method	AAT/GAP
Start	60428	End	61259
GI	15426_1.R1084	Score	1099
Exons	60428..60506, 60626..60704, 60818..61259		
GI Descrip.	'4160292/emb|CAA77084| 3.0e-37 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9

Gene No.	80573	Strand	-
Start	1	End	852
Name	OJ990612_37.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	852
GI	5042454	Score	566
Exons	1..219, 275..381, 713..852		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80574	Strand	-
Start	9279	End	13430
Name	OJ990612_37.0317.C9.o3.np	Method	AAT/NAP
Start	9279	End	13430
GI	7489738	Score	4375
Exons	9279..13227, 13270..13430		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80575	Strand	-
Start	16508	End	17839
Name	OJ990612_37.0317.C9.o4.np	Method	AAT/NAP
Start	16508	End	17839
GI	7449606	Score	334
Exons	16508..16565, 17004..17839		
GI Descrip.	hypothetical protein F22K18.150 - Arabidopsis thaliana gi|4220525|emb|CAA22998.1| (AL035356) putative tRNA isopentenyltransferase [Arabidopsis thaliana] gi|7269315|emb|CAB79375.1| (AL161561) putative tRNA isopentenyltransferase [Arabidopsis thaliana]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905
Name	OJ990612_37.0317.C9.o2.gp	Method	AAT/GAP
Start	27652	End	28211
GI	17436_1.R1084	Score	1055
Exons	27652..28211		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905
Name	OJ990612_37.0317.C9.o5.gs	Method	GENSCAN
Start	28090	End	37589
GI	none	Score	.88
Exons	28090..28203, 29048..29292, 29787..29988, 30075..30173, 30308..30364, 31089..31214, 31294..31434, 32595..32723, 33550..33756, 33917..33985, 35040..35198, 35290..35393, 35474..35627, 35707..35866, 36689..36821, 36902..37079, 37158..37394, 37536..37589		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905

Name	OJ990612_37.0317.C9.o5.np	Method	AAT/NAP
Start	28093	End	37905
GI	5880464	Score	2665
Exons	28093..28203, 29048..29292, 29733..29996, 30304..30364, 31089..31214, 31294..31441, 31660..31811, 32595..32723, 33619..33756, 33917..33985, 34085..34153, 35040..35198, 35290..35393, 35474..35627, 35707..35866, 36689..36821, 36902..37079, 37158..37394, 37480..37551, 37641..37740, 37850..37905		
GI Descrip.	(AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905
Name	OJ990612_37.0317.C9.o3.gp	Method	AAT/GAP
Start	29157	End	31566
GI	30312_1.R1084	Score	1504
Exons	29157..29292, 29766..29988, 30075..30173, 30308..30364, 31089..31214, 31294..31434, 31511..31566		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905
Name	OJ990612_37.0317.C9.o4.gp	Method	AAT/GAP
Start	31780	End	33769
GI	426363	Score	552
Exons	31780..31811, 32595..32723, 33619..33769		
GI Descrip.	5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80576	Strand	-
Start	28090	End	37905
Name	OJ990612_37.0317.C9.o5.gp	Method	AAT/GAP
Start	35066	End	36998
GI	34019_1.R1084	Score	1423
Exons	35066..35198, 35290..35393, 35474..35627, 35707..35866, 36689..36821, 36902..36998		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-95 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80577	Strand	-
Start	43644	End	46745
Name	OJ990612_37.0317.C9.o7.gs	Method	GENSCAN
Start	43644	End	46745
GI	none	Score	.5
Exons	43644..44024, 44468..44500, 46488..46745		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o9.tm	Method	TBLASTX:Maize
Start	2557	End	24813
GI	none	Score	72

Exons	2557..2700, 2558..2701, 2719..2955, 24676..24813		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o4.tw	Method	TBLASTX:Wheat
Start	2632	End	24879
GI	none	Score	73
Exons	2632..2709, 2782..3048, 2786..3037, 24751..24828, 24832..24879		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o12.tm	Method	TBLASTX:Maize
Start	9318	End	9776
GI	none	Score	55
Exons	9318..9509, 9558..9734, 9717..9776		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o3.tw	Method	TBLASTX:Wheat
Start	9330	End	9729
GI	none	Score	118
Exons	9330..9725, 9496..9729		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o5.ts	Method	TBLASTX:Soybean
Start	9333	End	9899
GI	none	Score	131
Exons	9333..9524, 9513..9704, 9717..9899		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o6.tm	Method	TBLASTX:Maize
Start	9789	End	10220
GI	none	Score	126
Exons	9789..10085, 9790..9945, 10059..10220		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	9885	End	10665
GI	none	Score	154
Exons	9885..10334, 9889..10335, 10311..10664, 10318..10665, 10320..10664		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o7.tm	Method	TBLASTX:Maize
Start	10221	End	10664
GI	none	Score	139

Exons	10221..10322, 10356..10664, 10357..10647		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	10356	End	10793
GI	5509260	Score	44
Exons	10356..10793, 10357..10389, 10432..10704		
GI Descrip.	-		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o2.tc	Method	TBLASTX:Cress
Start	10446	End	10706
GI	none	Score	116
Exons	10446..10706, 10468..10704		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o7.ts	Method	TBLASTX:Soybean
Start	11304	End	11676
GI	none	Score	67
Exons	11304..11477, 11481..11672, 11509..11676		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	11307	End	11969
GI	none	Score	35
Exons	11307..11405, 11332..11406, 11385..11690, 11407..11667, 11730..11969, 11731..11784		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o3.tc	Method	TBLASTX:Cress
Start	11310	End	11690
GI	none	Score	123
Exons	11310..11477, 11490..11690		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o11.tm	Method	TBLASTX:Maize
Start	11496	End	11954
GI	none	Score	85
Exons	11496..11681, 11518..11679, 11730..11954		
Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o4.ts	Method	TBLASTX:Soybean
Start	11677	End	12113

GI	none	Score	88
Exons	11677..11766, 11679..11918, 11694..11873, 11922..11945, 11922..12023, 12048..12113		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	12327	End	13338
GI	none	Score	50
Exons	12327..12392, 12433..12483, 12588..12719, 12607..12648, 12729..13337, 12759..13013, 12760..13338		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o9.ts	Method	TBLASTX:Soybean
Start	17603	End	17834
GI	none	Score	75
Exons	17603..17833, 17631..17834		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o5.tm	Method	TBLASTX:Maize
Start	27911	End	33689
GI	none	Score	161
Exons	27911..27925, 28060..28206, 28061..28204, 28088..28213, 29041..29169, 29043..29168, 29048..29188, 29049..29186, 29767..29805, 29890..29970, 29917..29973, 30046..30171, 30075..30191, 30079..30180, 30083..30181, 30307..30363, 30308..30364, 30309..30365, 31086..31217, 31089..31217, 31094..31222, 31294..31440, 31295..31435, 31653..31706, 31662..31706, 31699..31809, 31701..31817, 32595..32711, 32595..32723, 32596..32712, 33606..33689, 33616..33687		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	28090	End	37888
GI	none	Score	90
Exons	28090..28206, 28097..28198, 29048..29119, 29881..29982, 31086..31217, 31087..31215, 31104..31217, 31294..31437, 31295..31435, 31653..31817, 31657..31818, 32595..32699, 32595..32723, 32596..32700, 33616..33765, 33917..33985, 33918..33986, 34088..34159, 35038..35205, 35039..35206, 35040..35201, 35046..35201, 35275..35346, 35526..35636, 35526..35627, 35528..35635, 35707..35889, 35747..35890, 36691..36834, 36692..36823, 36903..37082, 36904..37080, 37148..37396, 37155..37424, 37155..37433, 37156..37434, 37480..37590, 37484..37534, 37636..37740, 37641..37739, 37644..37733, 37849..37887, 37850..37888		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342

Name	OJ990612_37.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	29902	End	31447
GI	none	Score	108
Exons	29902..29970, 31086..31217, 31105..31215, 31291..31440, 31294..31440, 31295..31447		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	33691	End	37733
GI	none	Score	102
Exons	33691..33765, 33692..33766, 33916..33981, 33917..33985, 33918..33998, 34084..34137, 34085..34135, 35058..35201, 35059..35199, 35072..35209, 35278..35394, 35286..35387, 35305..35388, 35345..35395, 35473..35505, 35484..35630, 35515..35613, 35523..35627, 35698..35766, 35707..35775, 37644..37733		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o8.ts	Method	TBLASTX:Soybean
Start	33700	End	37733
GI	none	Score	75
Exons	33700..33765, 33917..33985, 33921..33986, 34088..34165, 35039..35200, 35043..35201, 35275..35328, 37644..37733		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	36972	End	37522
GI	none	Score	122
Exons	36972..37082, 36973..37080, 37155..37412, 37155..37415, 37474..37521, 37475..37522		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o3.ts	Method	TBLASTX:Soybean
Start	37159	End	37401
GI	none	Score	156
Exons	37159..37401, 37161..37397		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o9.gs	Method	GENSCAN
Start	51793	End	53084
GI	none	Score	.93
Exons	51793..52268, 53030..53084		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80578	Strand	-
Start	51793	End	54342
Name	OJ990612_37.0317.C9.o8.tm	Method	TBLASTX:Maize

Start	52826	End	54342
GI	none	Score	273
Exons	52826..53035, 52827..53045, 53554..53682, 53567..53686, 53570..53686, 54247..54342, 54250..54339, 54276..54341		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80579	Strand	
Start	56689	End	58947
Name	OJ990612_37.0317.C9.o10.tm	Method	TBLASTX:Maize
Start	56689	End	58675
GI	none	Score	89
Exons	56689..56790, 58353..58475, 58355..58474, 58552..58674, 58577..58675		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80579	Strand	
Start	56689	End	58947
Name	OJ990612_37.0317.C9.o6.ts	Method	TBLASTX:Soybean
Start	58379	End	58947
GI	none	Score	138
Exons	58379..58456, 58380..58475, 58572..58676, 58572..58676, 58573..58677, 58574..58678, 58893..58946, 58894..58947		

Seq. No.	39098	Seq. ID	OJ990612_37.0317.C9
Gene No.	80580	Strand	
Start	58943	End	61049
Name	OJ990612_37.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	58943	End	61049
GI	none	Score	70
Exons	58943..58993, 59164..59286, 59173..59286, 59174..59287, 59175..59288, 59370..59636, 59390..59641, 59394..59636, 59401..59640, 60249..60518, 60251..60505, 60599..60685, 60623..60709, 60624..60710, 60816..61049, 60817..61020, 60819..61049		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o1.gs	Method	GENSCAN
Start	961	End	4924
GI	none	Score	.76
Exons	961..1045, 1502..1534, 1781..1929, 2214..2937, 3001..3146, 3410..3438, 4451..4703, 4757..4924		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o1.gp	Method	AAT/GAP
Start	1395	End	1669
GI	61605_1.R1084	Score	473
Exons	1395..1669		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380

Name	OJ990612_31.0317.C15.o2.np	Method	AAT/NAP
Start	2214	End	6138
GI	6983860	Score	974
Exons	2214..3247, 4613..4663, 6028..6138		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o4.np	Method	AAT/NAP
Start	3345	End	13380
GI	5852180	Score	511
Exons	3345..3456, 4392..4446, 6926..6985, 7986..8103, 8155..8552, 13032..13380		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o3.np	Method	AAT/NAP
Start	4474	End	6201
GI	6063554	Score	241
Exons	4474..4693, 5362..5390, 6028..6201		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o3.gs	Method	GENSCAN
Start	8148	End	12967
GI	none	Score	.52
Exons	8148..8358, 8363..8686, 9206..9350, 9355..9523, 10697..10978, 11204..11623, 11708..11903, 12097..12438, 12516..12591, 12858..12967		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80581	Strand	+
Start	961	End	13380
Name	OJ990612_31.0317.C15.o5.np	Method	AAT/NAP
Start	10736	End	13380
GI	6691716	Score	1864
Exons	10736..11613, 11801..11997, 12080..12186, 12263..12438, 12516..12703, 12778..12879, 12991..13380		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80582	Strand	-
Start	5333	End	7238
Name	OJ990612_31.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	2373	End	2732
GI	none	Score	282
Exons	2373..2732, 2384..2554, 2591..2668		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80582	Strand	-
Start	5333	End	7238
Name	OJ990612_31.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	2613	End	2876
GI	none	Score	197
Exons	2613..2876		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80582	Strand	-
Start	5333	End	7238
Name	OJ990612_31.0317.C15.o2.gs	Method	GENSCAN
Start	5333	End	7037
GI	none	Score	.58
Exons	5333..5468, 6287..6395, 6962..7037		

Seq. No.	39099	Seq. ID	OJ990612_31.0317.C15
Gene No.	80582	Strand	-
Start	5333	End	7238
Name	OJ990612_31.0317.C15.o2.gp	Method	AAT/GAP
Start	6834	End	7238
GI	uC-osflcyp033a04b1	Score	664
Exons	6834..7101, 7125..7238		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39100	Seq. ID	OJ990612_31.0317.C17
Gene No.	80583	Strand	+
Start	392	End	1890
Name	OJ990612_31.0317.C17.o1.gp	Method	AAT/GAP
Start	392	End	773
GI	uC-osflcyp033a04b1	Score	679
Exons	392..773		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39100	Seq. ID	OJ990612_31.0317.C17
Gene No.	80583	Strand	+
Start	392	End	1890
Name	OJ990612_31.0317.C17.o1.gs	Method	GENSCAN
Start	570	End	1890
GI	none	Score	.84
Exons	570..645, 1509..1669, 1723..1890		

Seq. No.	39100	Seq. ID	OJ990612_31.0317.C17
Gene No.	80584	Strand	-
Start	325	End	1415
Name	OJ990612_31.0317.C17.o1.np	Method	AAT/NAP
Start	325	End	1415
GI	4680186	Score	362
Exons	325..525, 1359..1415		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39100	Seq. ID	OJ990612_31.0317.C17
Gene No.	80585	Strand	-
Start	1445	End	1927

Name	OJ990612_31.0317.C17.o2.np	Method	AAT/NAP
Start	1445	End	1927
GI	5852179	Score	207
Exons	1445..1620, 1695..1927		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	39101	Seq. ID	OJ990612_31.0317.C18
Gene No.	80586	Strand	-
Start	1	End	638
Name	OJ990612_31.0317.C18.o1.np	Method	AAT/NAP
Start	1	End	638
GI	2498930	Score	751
Exons	1..407, 575..638		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80587	Strand	+
Start	1258	End	3403
Name	OJ990612_31.0317.C20.o1.np	Method	AAT/NAP
Start	1258	End	3403
GI	4325357	Score	430
Exons	1258..1904, 2699..3403		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80588	Strand	+
Start	8432	End	9047
Name	OJ990612_31.0317.C20.o2.np	Method	AAT/NAP
Start	6595	End	8544
GI	4680186	Score	248
Exons	6595..6636, 8339..8544		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80588	Strand	+
Start	8432	End	9047
Name	OJ990612_31.0317.C20.o2.gs	Method	GENSCAN
Start	8432	End	9047
GI	none	Score	.79
Exons	8432..8492, 8941..9047		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80589	Strand	+
Start	10389	End	13738
Name	OJ990612_31.0317.C20.o4.np	Method	AAT/NAP
Start	10389	End	13738
GI	5001454	Score	143
Exons	10389..10434, 13081..13370, 13599..13738		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80590	Strand	-
Start	8091	End	8472

Name	OJ990612_31.0317.C20.o1.gp	Method	AAT/GAP
Start	8091	End	8472
GI	uC-osflcyp033a04b1	Score	651
Exons	8091..8472		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o1.tc	Method	TBLASTX:Cress
Start	1618	End	1926
GI	none	Score	190
Exons	1618..1926		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o2.tw	Method	TBLASTX:Wheat
Start	2693	End	3064
GI	none	Score	106
Exons	2693..2848, 2879..3064, 2950..3063		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o3.np	Method	AAT/NAP
Start	8940	End	10689
GI	6907087	Score	752
Exons	8940..9041, 9580..10268, 10314..10689		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o3.gs	Method	GENSCAN
Start	9359	End	13510
GI	none	Score	.43
Exons	9359..10268, 10908..11001, 13009..13057, 13384..13510		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o2.gp	Method	AAT/GAP
Start	11863	End	12430
GI	4879016	Score	843
Exons	11863..12430		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	39102	Seq. ID	OJ990612_31.0317.C20
Gene No.	80591	Strand	-
Start	8940	End	13510
Name	OJ990612_31.0317.C20.o1.tw	Method	TBLASTX:Wheat

Start	13048	End	13434
GI	none	Score	313
Exons	13048..13434		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80592	Strand	+
Start	491	End	4154
Name	OJ990612_31.0317.C21.o1.np	Method	AAT/NAP
Start	491	End	4154
GI	5852181	Score	113
Exons	491..535, 3641..4154		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80592	Strand	+
Start	491	End	4154
Name	OJ990612_31.0317.C21.o1.gs	Method	GENSCAN
Start	823	End	2465
GI	none	Score	.95
Exons	823..893, 898..1054, 2256..2465		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80593	Strand	+
Start	9892	End	19819
Name	OJ990612_31.0317.C21.o5.np	Method	AAT/NAP
Start	9892	End	19762
GI	1076802	Score	142
Exons	9892..9993, 19206..19762		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80593	Strand	+
Start	9892	End	19819
Name	OJ990612_31.0317.C21.o3.np	Method	AAT/NAP
Start	15170	End	16634
GI	5852181	Score	129
Exons	15170..15382, 16568..16634		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80593	Strand	+
Start	9892	End	19819
Name	OJ990612_31.0317.C21.o5.gs	Method	GENSCAN
Start	19091	End	19819
GI	none	Score	.81
Exons	19091..19137, 19177..19819		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80594	Strand	-
Start	2778	End	8973
Name	OJ990612_31.0317.C21.o2.gs	Method	GENSCAN
Start	2778	End	8973
GI	none	Score	.41
Exons	2778..2853, 3798..3877, 4377..4655, 4678..5343, 5470..5670, 5917..6880, 7360..7798, 7806..7970, 8070..8973		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80594	Strand	-
Start	2778	End	8973
Name	OJ990612_31.0317.C21.o2.np	Method	AAT/NAP
Start	3222	End	8923
GI	7228457	Score	1718
Exons	3222..3328, 4644..4782, 4906..5823, 5881..7397, 8896..8923		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80595	Strand	-
Start	15170	End	18558
Name	OJ990612_31.0317.C21.o4.gs	Method	GENSCAN
Start	15170	End	18512
GI	none	Score	.72
Exons	15170..15483, 17195..17372, 17712..17875, 18181..18205, 18251..18364, 18378..18512		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80595	Strand	-
Start	15170	End	18558
Name	OJ990612_31.0317.C21.o4.np	Method	AAT/NAP
Start	16156	End	18558
GI	5922620	Score	347
Exons	16156..16285, 16935..17168, 17218..17372, 17408..17437, 18181..18205, 18251..18364, 18523..18558		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80596	Strand	-
Start	18604	End	18772
Name	OJ990612_31.0317.C21.o1.gp	Method	AAT/GAP
Start	18604	End	18772
GI	LIB3479-006-Q6-K1-B11	Score	233
Exons	18604..18772		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o4.tw	Method	TBLASTX:Wheat
Start	4431	End	4722
GI	none	Score	83
Exons	4431..4643, 4438..4635, 4618..4722, 4649..4717		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o1.ts	Method	TBLASTX:Soybean

Start	4696	End	5091
GI	none	Score	46
Exons	4696..5091, 4697..4801, 4820..4855, 4916..5059		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o2.tw	Method	TBLASTX:Wheat
Start	4723	End	5145
GI	none	Score	221
Exons	4723..5145, 4727..5047		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o2.tm	Method	TBLASTX:Maize
Start	4819	End	5202
GI	none	Score	121
Exons	4819..5202, 4823..5050		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o1.tm	Method	TBLASTX:Maize
Start	5230	End	5586
GI	none	Score	206
Exons	5230..5586, 5240..5524, 5374..5586		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o1.tw	Method	TBLASTX:Wheat
Start	5260	End	5715
GI	none	Score	344
Exons	5260..5715, 5261..5698		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o3.tw	Method	TBLASTX:Wheat
Start	5908	End	6363
GI	none	Score	156
Exons	5908..6144, 5918..6142, 6181..6363, 6239..6355		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o5.tw	Method	TBLASTX:Wheat
Start	7000	End	7392
GI	none	Score	79
Exons	7000..7209, 7001..7180, 7252..7341, 7286..7324, 7348..7392		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o6.gs	Method	GENSCAN
Start	21082	End	23798

GI	none	Score	.48
Exons	21082..21125, 23523..23545, 23665..23798		

Seq. No.	39103	Seq. ID	OJ990612_31.0317.C21
Gene No.	80597	Strand	-
Start	21082	End	23825
Name	OJ990612_31.0317.C21.o6.np	Method	AAT/NAP
Start	22144	End	23825
GI	6539588	Score	199
Exons	22144..22171, 23517..23825		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39104	Seq. ID	OJ990612_31.0317.C22
Gene No.	80598	Strand	+
Start	2751	End	2965
Name	OJ990612_31.0317.C22.o1.gs	Method	GENSCAN
Start	2751	End	2965
GI	none	Score	.74
Exons	2751..2965		

Seq. No.	39104	Seq. ID	OJ990612_31.0317.C22
Gene No.	80599	Strand	-
Start	1432	End	3014
Name	OJ990612_31.0317.C22.o1.gp	Method	AAT/GAP
Start	1432	End	3014
GI	700098	Score	620
Exons	1432..1527, 2606..2737, 2885..3014		

Seq. No.	39105	Seq. ID	OJ990612_31.0317.C23
Gene No.	80600	Strand	-
Start	96	End	2432
Name	OJ990612_31.0317.C23.o1.gs	Method	GENSCAN
Start	96	End	2432
GI	none	Score	.53
Exons	96..1061, 1107..1511, 1625..1659, 1753..1942, 2385..2432		

Seq. No.	39105	Seq. ID	OJ990612_31.0317.C23
Gene No.	80600	Strand	-
Start	96	End	2432
Name	OJ990612_31.0317.C23.o1.np	Method	AAT/NAP
Start	347	End	2026
GI	6539588	Score	177
Exons	347..396, 1732..2026		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39106	Seq. ID	OJ990612_31.0317.C24
Gene No.	80601	Strand	-
Start	22	End	1130
Name	OJ990612_31.0317.C24.o1.gs	Method	GENSCAN
Start	22	End	1130
GI	none	Score	.72
Exons	22..171, 465..602, 1098..1130		

Seq. No.	39106	Seq. ID	OJ990612_31.0317.C24
Gene No.	80601	Strand	-
Start	22	End	1130
Name	OJ990612_31.0317.C24.o1.tm	Method	TBLASTX:Maize

Start	443	End	976
GI	none	Score	50
Exons	443..484, 515..727, 803..976		

Seq. No.	39106	Seq. ID	OJ990612_31.0317.C24
Gene No.	80601	Strand	-
Start	22	End	1130
Name	OJ990612_31.0317.C24.o1.tw	Method	TBLASTX:Wheat
Start	665	End	1075
GI	none	Score	333
Exons	665..1075, 895..1059		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o1.np	Method	AAT/NAP
Start	1	End	843
GI	7488320	Score	321
Exons	1..843		
GI Descrip.	RNA-directed DNA polymerase homolog T14P8.10 - Arabidopsis thaliana gi|3193294|gb|AAC19278.1| (AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana] gi|7269009|emb|CAB80742.1| (AL161494) similarity to similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	713
GI	none	Score	579
Exons	2..373, 3..713, 437..712		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o1.tw	Method	TBLASTX:Wheat
Start	53	End	461
GI	none	Score	145
Exons	53..226, 54..227, 236..388, 237..389, 381..461		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o1.gs	Method	GENSCAN
Start	162	End	702
GI	none	Score	.78
Exons	162..702		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o1.ts	Method	TBLASTX:Soybean
Start	318	End	843
GI	none	Score	246
Exons	318..671, 449..643, 657..764, 721..762, 757..843		

Seq. No.	39107	Seq. ID	OJ990612_31.0317.C25
Gene No.	80602	Strand	+
Start	1	End	843
Name	OJ990612_31.0317.C25.o2.tw	Method	TBLASTX:Wheat
Start	468	End	840
GI	none	Score	183
Exons	468..764, 751..840		

Seq. No.	39108	Seq. ID	OJ990612_31.0317.C26
Gene No.	80603	Strand	-
Start	1158	End	1431
Name	OJ990612_31.0317.C26.o1.tm	Method	TBLASTX:Maize
Start	64	End	324
GI	none	Score	134
Exons	64..186, 109..174, 187..324		

Seq. No.	39108	Seq. ID	OJ990612_31.0317.C26
Gene No.	80603	Strand	-
Start	1158	End	1431
Name	OJ990612_31.0317.C26.o1.gs	Method	GENSCAN
Start	1158	End	1431
GI	none	Score	.59
Exons	1158..1219, 1362..1431		

Seq. No.	39109	Seq. ID	OJ990612_31.0317.C27
Gene No.	80604	Strand	-
Start	2918	End	3133
Name	OJ990612_31.0317.C27.o1.gs	Method	GENSCAN
Start	2918	End	3133
GI	none	Score	.96
Exons	2918..3133		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o1.np	Method	AAT/NAP
Start	3962	End	6073
GI	6598412	Score	2406
Exons	3962..6073		
GI Descrip.	(AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o3.tm	Method	TBLASTX:Maize
Start	4210	End	4509
GI	none	Score	461
Exons	4210..4509, 4211..4507, 4225..4509		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o4.ts	Method	TBLASTX:Soybean
Start	4673	End	4894
GI	none	Score	78
Exons	4673..4756, 4775..4894, 4780..4890		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o4.tm	Method	TBLASTX:Maize
Start	4858	End	5011
GI	none	Score	115
Exons	4858..5010, 4858..5010, 4859..5011, 4859..5011		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o1.tm	Method	TBLASTX:Maize
Start	5015	End	5782
GI	none	Score	1181
Exons	5015..5782, 5020..5421, 5021..5779		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o1.tc	Method	TBLASTX:Cress
Start	5033	End	5491
GI	none	Score	77
Exons	5033..5092, 5033..5086, 5038..5106, 5051..5377, 5125..5373, 5138..5374, 5441..5491		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o2.ts	Method	TBLASTX:Soybean
Start	5284	End	5491
GI	none	Score	307
Exons	5284..5412, 5285..5491, 5285..5476		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o1.ts	Method	TBLASTX:Soybean
Start	5617	End	5830
GI	5752545	Score	323
Exons	5617..5811, 5618..5830, 5624..5818		
GI Descrip.	3402719 2.0e-34 (AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o2.tc	Method	TBLASTX:Cress
Start	5783	End	6067
GI	none	Score	88
Exons	5783..5839, 5822..6025, 5826..5993, 5830..5997, 5980..6063, 5981..6067		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o2.tm	Method	TBLASTX:Maize

Start	5786	End	6395
GI	none	Score	463
Exons	5786..6067, 5791..6069, 5792..6067, 6135..6167, 6136..6165, 6173..6214, 6230..6268, 6239..6286, 6297..6395, 6324..6350		

Seq. No.	39110	Seq. ID	OJ990612_31.0317.C28
Gene No.	80605	Strand	+
Start	3962	End	6395
Name	OJ990612_31.0317.C28.o3.ts	Method	TBLASTX:Soybean
Start	5858	End	6037
GI	none	Score	64
Exons	5858..5902, 5906..6037, 5911..6030		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80606	Strand	+
Start	2693	End	6627
Name	OJ990612_31.0317.C29.o2.gs	Method	GENSCAN
Start	2693	End	4910
GI	none	Score	.53
Exons	2693..2807, 2939..2984, 3226..3355, 3448..3701, 3925..4000, 4545..4910		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80606	Strand	+
Start	2693	End	6627
Name	OJ990612_31.0317.C29.o1.np	Method	AAT/NAP
Start	3232	End	6513
GI	4680203	Score	1869
Exons	3232..4776, 4820..4911, 5065..5295, 5572..6513		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80606	Strand	+
Start	2693	End	6627
Name	OJ990612_31.0317.C29.o1.gp	Method	AAT/GAP
Start	5555	End	5971
GI	5002953	Score	722
Exons	5555..5971		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80606	Strand	+
Start	2693	End	6627
Name	OJ990612_31.0317.C29.o2.gp	Method	AAT/GAP
Start	5850	End	6627
GI	5002953	Score	474
Exons	5850..5965, 6445..6627		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80607	Strand	+
Start	9070	End	19161
Name	OJ990612_31.0317.C29.o4.gs	Method	GENSCAN
Start	9070	End	18978
GI	none	Score	.45

Exons	9070..9708, 9854..10315, 10396..10938, 11185..11226, 11346..11479, 11559..11817, 12256..12294, 12860..12935, 14657..14736, 15090..15129, 15734..16340, 16552..16837, 18265..18978		
Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80607	Strand	+
Start	9070	End	19161
Name	OJ990612_31.0317.C29.o3.gp	Method	AAT/GAP
Start	11635	End	12101
GI	LIB3431-001-P1-N1-B5	Score	605
Exons	11635..11817, 11919..12101		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80607	Strand	+
Start	9070	End	19161
Name	OJ990612_31.0317.C29.o4.gp	Method	AAT/GAP
Start	12606	End	13017
GI	none	Score	570
Exons	12606..12898, 12936..13017		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80607	Strand	+
Start	9070	End	19161
Name	OJ990612_31.0317.C29.o2.np	Method	AAT/NAP
Start	15712	End	18942
GI	7430637	Score	1318
Exons	15712..16340, 16552..16837, 18313..18942		
GI Descrip.	cytochrome P450 - common tobacco gi|1237250|emb|CAA65580.1| (X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80607	Strand	+
Start	9070	End	19161
Name	OJ990612_31.0317.C29.o6.gp	Method	AAT/GAP
Start	18728	End	19161
GI	3761340	Score	759
Exons	18728..19161		
GI Descrip.	1345641/sp|P49264|C7B1_THLAR 2.0e-13 CYTOCHROME P450 71B1 (CYPLXXIB1) >gi_402934 (L24438) cytochrome P450 [Thlaspi arvense] >gi_1090224_prf__2018333A cytochrome P450 [Thlaspi arvense]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80608	Strand	+
Start	23386	End	24095
Name	OJ990612_31.0317.C29.o3.np	Method	AAT/NAP
Start	21328	End	24001
GI	3157949	Score	183
Exons	21328..21355, 23480..23726, 23950..24001		
GI Descrip.	(AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb|Z28697 from Nicotiana tabacum. ESTs gb|Z18185 and gb|AA605362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29

Gene No.	80608	Strand	+
Start	23386	End	24095
Name	OJ990612_31.0317.C29.o6.gs	Method	GENSCAN
Start	23386	End	24095
GI	none	Score	.54
Exons	23386..23722, 24070..24095		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80609	Strand	-
Start	1312	End	1551
Name	OJ990612_31.0317.C29.o1.gs	Method	GENSCAN
Start	1312	End	1551
GI	none	Score	.89
Exons	1312..1551		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80610	Strand	-
Start	15936	End	16251
Name	OJ990612_31.0317.C29.o5.gp	Method	AAT/GAP
Start	15936	End	16251
GI	LIB3431-035-P1-K1-A12	Score	536
Exons	15936..16251		
GI Descrip.	'1345641/sp|P49264|C7B1_THLAR 2.0e-13 CYTOCHROME P450 71B1 (CYPLXXIB1) >gi_402934 (L24438) cytochrome P450 [Thlaspi arvense] >gi_1090224_prf__2018333A cytochrome P450 [Thlaspi arvense]'		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80611	Strand	-
Start	20188	End	20622
Name	OJ990612_31.0317.C29.o5.gs	Method	GENSCAN
Start	20188	End	20622
GI	none	Score	.89
Exons	20188..20622		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o2.tw	Method	TBLASTX:Wheat
Start	3574	End	4254
GI	none	Score	234
Exons	3574..3972, 3672..3695, 3813..3974, 4020..4115, 4021..4125, 4129..4254, 4191..4253		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o2.ts	Method	TBLASTX:Soybean
Start	3853	End	4272
GI	none	Score	126
Exons	3853..3972, 3855..3974, 4023..4268, 4024..4272		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o2.tc	Method	TBLASTX:Cress
Start	4020	End	4350

GI	none	Score	305
Exons	4020..4157, 4021..4350, 4194..4250, 4204..4308, 4275..4349		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o4.tm	Method	TBLASTX:Maize
Start	4195	End	4575
GI	none	Score	206
Exons	4195..4428, 4444..4575		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o4.tw	Method	TBLASTX:Wheat
Start	4288	End	4575
GI	none	Score	152
Exons	4288..4398, 4297..4413, 4443..4571, 4444..4575		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o5.tw	Method	TBLASTX:Wheat
Start	4828	End	5178
GI	none	Score	159
Exons	4828..5058, 4857..5057, 5094..5177, 5095..5178		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o3.tm	Method	TBLASTX:Maize
Start	5085	End	5571
GI	none	Score	290
Exons	5085..5279, 5086..5571, 5415..5558		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o1.tw	Method	TBLASTX:Wheat
Start	5182	End	6402
GI	none	Score	490
Exons	5182..5724, 5226..5672, 5743..5904, 5760..5900, 5908..6084, 5943..6083, 6088..6135, 6139..6180, 6142..6180, 6204..6281, 6205..6309, 6310..6402		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o3.tc	Method	TBLASTX:Cress
Start	5469	End	5895
GI	none	Score	213
Exons	5469..5672, 5473..5724, 5743..5895, 5760..5882		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o4.tc	Method	TBLASTX:Cress

Start	15784	End	16290
GI	none	Score	280
Exons	15784..16290, 15903..16019		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o2.tm	Method	TBLASTX:Maize
Start	15790	End	16173
GI	none	Score	431
Exons	15790..16173, 15796..16002, 15801..16166		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o1.ts	Method	TBLASTX:Soybean
Start	15793	End	18969
GI	none	Score	387
Exons	15793..16203, 15801..15860, 15903..16127, 16207..16299, 16224..16298, 16547..16723, 16549..16659, 16610..16717, 16718..16831, 16744..16833, 18310..18504, 18592..18675, 18594..18650, 18664..18696, 18721..18969, 18723..18968		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o6.tw	Method	TBLASTX:Wheat
Start	15808	End	16125
GI	none	Score	180
Exons	15808..16125, 15810..16013		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o1.tm	Method	TBLASTX:Maize
Start	16679	End	18969
GI	none	Score	161
Exons	16679..16828, 16682..16831, 18309..18503, 18310..18504, 18592..18660, 18594..18659, 18664..18696, 18721..18969, 18723..18842		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o1.tc	Method	TBLASTX:Cress
Start	18313	End	18969
GI	none	Score	155
Exons	18313..18504, 18330..18497, 18592..18696, 18709..18969, 18717..18830		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o3.tw	Method	TBLASTX:Wheat
Start	18597	End	18879
GI	none	Score	88
Exons	18597..18650, 18598..18660, 18664..18879, 18702..18842		

Seq. No.	39111	Seq. ID	OJ990612_31.0317.C29
Gene No.	80612	Strand	-
Start	20893	End	21063
Name	OJ990612_31.0317.C29.o7.gp	Method	AAT/GAP
Start	20893	End	21063
GI	10431_1.R1084	Score	310
Exons	20893..21063		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	39112	Seq. ID	OJ990612_31.0317.C30
Gene No.	80613	Strand	+
Start	314	End	394
Name	OJ990612_31.0317.C30.o1.gs	Method	GENSCAN
Start	314	End	394
GI	none	Score	.89
Exons	314..394		

Seq. No.	39112	Seq. ID	OJ990612_31.0317.C30
Gene No.	80614	Strand	-
Start	2590	End	2951
Name	OJ990612_31.0317.C30.o2.gs	Method	GENSCAN
Start	2590	End	2951
GI	none	Score	.6
Exons	2590..2730, 2877..2951		

Seq. No.	39113	Seq. ID	OJ990612_31.0317.C31
Gene No.	80615	Strand	-
Start	91	End	231
Name	OJ990612_31.0317.C31.o1.gs	Method	GENSCAN
Start	91	End	231
GI	none	Score	.79
Exons	91..231		

Seq. No.	39113	Seq. ID	OJ990612_31.0317.C31
Gene No.	80616	Strand	-
Start	733	End	1005
Name	OJ990612_31.0317.C31.o1.gp	Method	AAT/GAP
Start	733	End	1005
GI	61605_1.R1084	Score	474
Exons	733..1005		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o1.gs	Method	GENSCAN
Start	209	End	1348
GI	none	Score	.53
Exons	209..721, 803..1028, 1113..1348		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o2.tm	Method	TBLASTX:Maize

Start	242	End	709
GI	none	Score	308
Exons	242..709, 242..364, 285..527, 325..672		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o1.np	Method	AAT/NAP
Start	601	End	1471
GI	6967112	Score	439
Exons	601..721, 803..1028, 1113..1471		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	800	End	1360
GI	none	Score	90
Exons	800..997, 805..972, 806..1033, 808..1014, 1106..1315, 1123..1329, 1127..1360		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1315
GI	none	Score	118
Exons	869..997, 898..966, 1111..1206, 1112..1207, 1208..1315		

Seq. No.	39114	Seq. ID	OJ990712_14.0317.C1
Gene No.	80617	Strand	+
Start	209	End	1471
Name	OJ990712_14.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	1096	End	1390
GI	none	Score	119
Exons	1096..1200, 1106..1201, 1211..1390		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80618	Strand	+
Start	81	End	901
Name	OJ990712_14.0317.C2.o1.gs	Method	GENSCAN
Start	81	End	901
GI	none	Score	.9
Exons	81..142, 157..241, 323..901		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80619	Strand	+
Start	10674	End	14150
Name	OJ990712_14.0317.C2.o1.np	Method	AAT/NAP
Start	10674	End	14150
GI	6522590	Score	1709
Exons	10674..11171, 11532..13676, 13781..14150		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80620	Strand	-

Start	2081	End	2913
Name	OJ990712_14.0317.C2.o2.gs	Method	GENSCAN
Start	2081	End	2913
GI	none	Score	.6
Exons	2081..2202, 2300..2380, 2583..2699, 2808..2913		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o4.tm	Method	TBLASTX:Maize
Start	2	End	364
GI	none	Score	207
Exons	2..241, 323..364		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o2.ts	Method	TBLASTX:Soybean
Start	10857	End	12859
GI	none	Score	73
Exons	10857..10997, 10887..11354, 10955..11143, 11064..11570, 11094..11573, 11253..11801, 11549..11659, 11600..11800, 11631..11720, 11634..11798, 11634..11843, 11649..11723, 11808..11990, 11808..11936, 11813..11947, 11814..11936, 11817..11936, 11826..11936, 11840..11935, 11889..12041, 12006..12119, 12102..12476, 12108..12458, 12111..12476, 12111..12446, 12123..12476, 12135..12476, 12149..12307, 12149..12232, 12149..12247, 12209..12448, 12452..12532, 12452..12811, 12455..12814, 12458..12859, 12482..12814, 12490..12741		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	10872	End	13887
GI	none	Score	70
Exons	10872..10994, 10878..10997, 10887..10997, 11064..11570, 11064..11354, 11064..11573, 11064..11357, 11064..11360, 11091..11573, 11094..11297, 11175..11801, 11201..11500, 11201..11302, 11238..11429, 11304..11573, 11411..11716, 11469..11573, 11520..11801, 11531..11752, 11546..11800, 11546..11788, 11631..11792, 11631..11801, 11631..11789, 11631..11726, 11634..11843, 11634..11804, 11807..11941, 11808..11990, 11808..11936, 11808..11936, 11808..11936, 11814..11936, 11817..11936, 11817..11936, 11825..11935, 11826..11936, 11831..11986, 11838..11990, 11840..11935, 12012..12092, 12015..12119, 12021..12110, 12090..12476, 12090..12461, 12108..12458, 12108..12458, 12111..12374, 12111..12377, 12114..12458, 12114..12323, 12123..12476, 12123..12476, 12135..12230, 12146..12448, 12149..12397, 12149..12337, 12216..12476, 12221..12448, 12369..12449, 12411..12476, 12455..12598, 12455..12814, 12467..12811, 12479..12859, 12485..12862, 12485..12808, 12545..12745, 12577..12810, 12599..12673, 12626..12811, 12652..12855, 13085..13165, 13193..13297, 13421..13591, 13780..13887		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	10878	End	12814
GI	none	Score	65
Exons	10878..10997, 10887..10997, 10887..11264, 10908..10997, 11064..11483, 11064..11570, 11085..11573, 11157..11792, 11397..11429, 11520..11801, 11540..11800, 11631..11798, 11631..11798, 11634..11798, 11634..11801, 11808..11936, 11817..11936, 11817..11936, 11826..11936, 11831..11941, 12018..12110, 12090..12476, 12108..12458, 12111..12359, 12123..12476, 12123..12476, 12124..12174, 12138..12428, 12146..12247, 12218..12310, 12455..12808, 12482..12814, 12485..12721, 12485..12811, 12485..12811, 12511..12681, 12724..12813		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	10893	End	12814
GI	none	Score	60
Exons	10893..10997, 10932..10997, 11070..11150, 11166..11234, 11445..11573, 11526..11771, 11631..11843, 11633..11749, 11718..11936, 11808..11936, 12003..12332, 12186..12404, 12452..12646, 12620..12814		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	13085	End	13965
GI	none	Score	88
Exons	13085..13174, 13192..13380, 13193..13390, 13412..13636, 13414..13596, 13631..13675, 13645..13674, 13779..13955, 13780..13965		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	13226	End	13669
GI	none	Score	428
Exons	13226..13669, 13441..13581		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	13442	End	13877
GI	none	Score	132
Exons	13442..13597, 13646..13675, 13779..13877, 13780..13869		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939

Name	OJ990712_14.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	13779	End	14075
GI	none	Score	177
Exons	13779..13979, 13780..13962, 13802..13981, 13966..14070, 13971..14069, 13977..14075		

Seq. No.	39115	Seq. ID	OJ990712_14.0317.C2
Gene No.	80621	Strand	-
Start	15118	End	16939
Name	OJ990712_14.0317.C2.o5.gs	Method	GENSCAN
Start	15118	End	16939
GI	none	Score	.94
Exons	15118..15318, 15350..15448, 15827..16042, 16813..16939		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80622	Strand	+
Start	193	End	814
Name	OJ990712_14.0317.C3.o1.gs	Method	GENSCAN
Start	193	End	814
GI	none	Score	.84
Exons	193..224, 694..814		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80623	Strand	+
Start	6294	End	22074
Name	OJ990712_14.0317.C3.o3.gs	Method	GENSCAN
Start	6294	End	9781
GI	none	Score	.99
Exons	6294..9324, 9432..9781		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80623	Strand	+
Start	6294	End	22074
Name	OJ990712_14.0317.C3.o1.np	Method	AAT/NAP
Start	6299	End	21697
GI	7434424	Score	1907
Exons	6299..6777, 7210..8466, 20369..21253, 21348..21697		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80623	Strand	+
Start	6294	End	22074
Name	OJ990712_14.0317.C3.o4.gs	Method	GENSCAN
Start	10448	End	10904
GI	none	Score	.9
Exons	10448..10529, 10624..10904		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80623	Strand	+
Start	6294	End	22074
Name	OJ990712_14.0317.C3.o5.gs	Method	GENSCAN
Start	11689	End	12424
GI	none	Score	.7
Exons	11689..11933, 12313..12424		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80623	Strand	+
Start	6294	End	22074
Name	OJ990712_14.0317.C3.o2.np	Method	AAT/NAP
Start	17179	End	22074
GI	7434421	Score	691
Exons	17179..17814, 18869..19128, 19198..20724, 20758..21253, 21348..21691, 21985..22074		
GI Descrip.	brassinosteroid-insensitive protein BRI1 - Arabidopsis thaliana gi|2392895|gb|AAC49810.1| (AF017056) brassinosteroid insensitive 1 [Arabidopsis thaliana] gi|5042156|emb|CAB44675.1| (AL078620) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana] gi|7270924|emb|CAB80603.1| (AL161595) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana]		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80624	Strand	-
Start	1388	End	4916
Name	OJ990712_14.0317.C3.o2.gs	Method	GENSCAN
Start	1388	End	4916
GI	none	Score	.52
Exons	1388..1464, 1580..1837, 2166..2404, 3691..3797, 4174..4273, 4885..4916		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	6522	End	20421
GI	none	Score	155
Exons	6522..6860, 6540..6932, 6705..7004, 6705..7004, 6753..6938, 6771..7007, 6857..7090, 6896..7147, 7110..7436, 7115..7225, 7187..7363, 7281..7448, 7281..7445, 7455..7583, 7473..7583, 7554..7667, 7710..7748, 7755..8105, 7758..8105, 7758..8099, 7785..8096, 7791..8114, 7793..8026, 7839..8135, 8115..8171, 8127..8459, 8130..8531, 8133..8459, 8139..8465, 8226..8459, 8301..8465, 17223..17375, 17409..17816, 17565..17852, 17565..17849, 17565..17801, 17625..17849, 17681..17851, 17697..17852, 17702..17851, 18865..19341, 18967..19338, 19354..19485, 19375..19488, 19375..19488, 19597..19650, 19657..20034, 19663..19998, 19663..20001, 19663..19998, 19738..20037, 19830..20000, 19981..20367, 20005..20145, 20031..20153, 20032..20217, 20032..20361, 20032..20367, 20035..20421, 20035..20361		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	6525	End	21454
GI	none	Score	86
Exons	6525..6644, 6534..6644, 6534..7001, 6702..7004, 6702..7004, 6705..7001, 6705..7220, 6705..7007, 6705..7004, 6705..6944, 6738..7004, 6750..7004, 6857..7075, 6885..7076, 6900..7007, 6966..7220, 7098..7220, 7130..7369, 7167..7220, 7281..7445, 7281..7436, 7281..7445, 7281..7448, 7353..7445, 7368..7454, 7455..7637, 7461..7583, 7464..7583, 7464..7583, 7467..7583,		

7485..7637, 7737..8126, 7737..8108, 7755..8123, 7755..8105,
7758..8117, 7758..8024, 7758..8021, 7761..7970, 7770..8105,
7770..8120, 7793..8095, 7842..8117, 7856..7984, 7862..7954,
7863..8114, 7868..8095, 7928..8095, 8001..8096, 8058..8120,
8118..8459, 8127..8315, 8127..8507, 8130..8246, 8133..8459,
8133..8459, 8133..8465, 8133..8456, 8133..8459, 8147..8461,
8190..8459, 8303..8506, 8733..8813, 8841..8945, 9051..9248,
9425..9538, 17373..17501, 17388..17498, 17388..17501,
17565..17822, 17565..17798, 17565..17795, 17565..17801,
17565..17834, 17565..17849, 17565..17849, 17565..17798,
17565..17642, 17592..17849, 17603..17797, 17604..17795,
17666..17848, 17666..17797, 17682..17813, 18865..19353,
18865..19335, 18868..19347, 18868..19347, 18874..19212,
18967..19347, 18997..19338, 19057..19338, 19072..19350,
19144..19347, 19357..19485, 19369..19485, 19375..19485,
19390..19485, 19555..19641, 19564..19668, 19570..19659,
19588..19656, 19639..19869, 19639..20028, 19657..19854,
19660..19869, 19663..19998, 19663..19866, 19666..20025,
19678..19779, 19684..19803, 19744..20025, 19765..20034,
19804..20025, 19915..20034, 19930..20001, 19960..20025,
20032..20361, 20032..20070, 20035..20367, 20035..20358,
20035..20361, 20035..20361, 20035..20409, 20035..20286,
20035..20361, 20107..20367, 20124..20309, 20629..20709,
20767..20871, 20989..21168, 21338..21454

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	6540	End	20223
GI	none	Score	57

Exons 6540..6644, 6579..6644, 6705..6767, 6717..6797, 6813..7004,
7092..7220, 7281..7490, 7365..7583, 7455..7583, 7650..8006,
7721..7963, 7830..8051, 8030..8329, 8139..8294, 8244..8465,
8303..8458, 17433..17498, 17571..17651, 17595..17813,
19054..19320, 19270..19485, 19492..19869, 19566..19886,
19732..19953, 19807..20028, 19930..20223, 19941..20150,
20056..20160

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	6705	End	20421
GI	none	Score	105

Exons 6705..6860, 6750..6932, 7662..7952, 7755..8315, 7842..8027,
7853..8023, 8010..8129, 8127..8414, 8130..8345, 8151..8462,
8274..8531, 8406..8459, 17565..17714, 17568..17813,
18874..19050, 18880..18978, 18889..19293, 19006..19194,
19555..19854, 19660..19869, 19765..20037, 20029..20145,
20035..20322, 20053..20361, 20179..20421, 20197..20367

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	8733	End	21532

GI	none	Score	86
Exons	8733..8822, 8735..8821, 8840..9028, 8841..9038, 9063..9230, 9068..9241, 9075..9284, 9258..9323, 9293..9352, 9430..9606, 9431..9616, 20629..20718, 20631..20717, 20767..20964, 20799..20954, 21004..21186, 21016..21159, 21181..21252, 21222..21251, 21346..21522, 21347..21532		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	8873	End	21246
GI	none	Score	427
Exons	8873..9043, 8874..9317, 9089..9229, 20799..20984, 20800..20985, 20998..21246, 21060..21158		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o2.tw	Method	TBLASTX:Wheat
Start	9090	End	21439
GI	none	Score	133
Exons	9090..9245, 9294..9323, 9430..9528, 9431..9520, 21019..21174, 21087..21170, 21223..21252, 21346..21435, 21347..21439		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o3.tm	Method	TBLASTX:Maize
Start	9429	End	21637
GI	none	Score	67
Exons	9429..9617, 9430..9624, 9431..9625, 9617..9721, 9619..9720, 21346..21549, 21347..21541, 21533..21637, 21535..21636		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o3.ts	Method	TBLASTX:Soybean
Start	11318	End	11732
GI	none	Score	55
Exons	11318..11401, 11319..11396, 11413..11457, 11478..11630, 11479..11730, 11670..11732		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o1.gp	Method	AAT/GAP
Start	14359	End	14681
GI	702212	Score	597
Exons	14359..14681		

Seq. No.	39116	Seq. ID	OJ990712_14.0317.C3
Gene No.	80625	Strand	-
Start	14716	End	21637
Name	OJ990712_14.0317.C3.o6.gs	Method	GENSCAN
Start	14716	End	18205
GI	none	Score	.66

Exons	14716..14801, 15614..15865, 17218..17465, 17497..17552, 17569..17681, 17785..18003, 18112..18205		
Seq. No.	39117	Seq. ID	OJ990712_14.0317.C4
Gene No.	80626	Strand	+
Start	4359	End	9182
Name	OJ990712_14.0317.C4.o2.np	Method	AAT/NAP
Start	4359	End	9182
GI	5295955	Score	236
Exons	4359..4415, 7764..7896, 8640..8694, 8833..9182		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39117	Seq. ID	OJ990712_14.0317.C4
Gene No.	80626	Strand	+
Start	4359	End	9182
Name	OJ990712_14.0317.C4.o2.gs	Method	GENSCAN
Start	8018	End	8954
GI	none	Score	.72
Exons	8018..8098, 8625..8954		

Seq. No.	39117	Seq. ID	OJ990712_14.0317.C4
Gene No.	80627	Strand	-
Start	268	End	7646
Name	OJ990712_14.0317.C4.o1.gs	Method	GENSCAN
Start	268	End	7646
GI	none	Score	.55
Exons	268..428, 615..730, 1804..2155, 2266..2427, 2530..2574, 2742..2834, 4327..4413, 6088..6305, 6331..6414, 6548..6616, 6827..6915, 7600..7646		

Seq. No.	39117	Seq. ID	OJ990712_14.0317.C4
Gene No.	80627	Strand	-
Start	268	End	7646
Name	OJ990712_14.0317.C4.o1.np	Method	AAT/NAP
Start	3897	End	5421
GI	7340860	Score	74
Exons	3897..3920, 5288..5421		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39117	Seq. ID	OJ990712_14.0317.C4
Gene No.	80627	Strand	-
Start	268	End	7646
Name	OJ990712_14.0317.C4.o1.gp	Method	AAT/GAP
Start	7093	End	7201
GI	uC-osflcyp088b12b1	Score	154
Exons	7093..7201		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39118	Seq. ID	OJ990712_14.0317.C5
Gene No.	80628	Strand	-
Start	1	End	4666
Name	OJ990712_14.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	4666
GI	7484957	Score	99

Exons	1..490, 4564..4666		
GI Descrip.	extensin homolog F28A21.80 - Arabidopsis thaliana gi|4539386|emb|CAB37452.1| (AL035526) extensin-like protein [Arabidopsis thaliana] gi|7268661|emb|CAB78869.1| (AL161549) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80629	Strand	+
Start	6832	End	9704
Name	OJ990712_14.0317.C6.o1.np	Method	AAT/NAP
Start	6832	End	9704
GI	6539553	Score	4376
Exons	6832..9704		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80630	Strand	-
Start	2465	End	4572
Name	OJ990712_14.0317.C6.o1.gs	Method	GENSCAN
Start	2465	End	4572
GI	none	Score	.72
Exons	2465..2589, 3964..4058, 4496..4572		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80631	Strand	
Start	6826	End	7274
Name	OJ990712_14.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	6826	End	7212
GI	none	Score	354
Exons	6826..7212, 6837..7202, 7009..7209		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80631	Strand	
Start	6826	End	7274
Name	OJ990712_14.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	6961	End	7274
GI	none	Score	363
Exons	6961..7272, 6969..7274		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80632	Strand	
Start	7773	End	8095
Name	OJ990712_14.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	7773	End	8095
GI	none	Score	267
Exons	7773..8027, 7780..8094, 7800..8093, 7928..8095		
Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	8122	End	8508
GI	none	Score	85
Exons	8122..8277, 8284..8508		

Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	8296	End	8730
GI	none	Score	298
Exons	8296..8730, 8505..8705		

Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	8373	End	8565
GI	none	Score	123
Exons	8373..8564, 8373..8444, 8374..8565, 8374..8565		

Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	8518	End	8916
GI	none	Score	194
Exons	8518..8742, 8526..8738, 8743..8916, 8745..8789, 8832..8891		

Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	8551	End	8940
GI	none	Score	109
Exons	8551..8733, 8746..8940		

Seq. No.	39119	Seq. ID	OJ990712_14.0317.C6
Gene No.	80633	Strand	
Start	8122	End	9321
Name	OJ990712_14.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	8566	End	9321
GI	none	Score	620
Exons	8566..9030, 8574..9053, 9074..9304, 9082..9321, 9104..9301, 9162..9320		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80634	Strand	+
Start	317	End	3742
Name	OJ990712_14.0317.C7.o1.gs	Method	GENSCAN
Start	317	End	3742
GI	none	Score	.48
Exons	317..2042, 2157..2365, 3635..3742		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80635	Strand	+
Start	5722	End	22839
Name	OJ990712_14.0317.C7.o1.np	Method	AAT/NAP
Start	5722	End	20267
GI	7434424	Score	1875
Exons	5722..5797, 6309..6711, 17697..19811, 19918..20267		

GI Descrip. protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80635	Strand	+
Start	5722	End	22839
Name	OJ990712_14.0317.C7.o3.gs	Method	GENSCAN
Start	6225	End	9717
GI	none	Score	.97
Exons	6225..9258, 9365..9717		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80635	Strand	+
Start	5722	End	22839
Name	OJ990712_14.0317.C7.o3.gp	Method	AAT/GAP
Start	15227	End	15325
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	15227..15325		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80635	Strand	+
Start	5722	End	22839
Name	OJ990712_14.0317.C7.o5.gs	Method	GENSCAN
Start	16784	End	22839
GI	none	Score	.91
Exons	16784..19811, 19918..20106, 20791..20973, 22121..22279, 22718..22839		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80635	Strand	+
Start	5722	End	22839
Name	OJ990712_14.0317.C7.o2.np	Method	AAT/NAP
Start	19227	End	21264
GI	6899932	Score	178
Exons	19227..19811, 19918..20034, 21238..21264		

GI Descrip. (AL138651) serine/threonine protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80636	Strand	-
Start	4154	End	4964
Name	OJ990712_14.0317.C7.o2.gs	Method	GENSCAN
Start	4154	End	4932
GI	none	Score	.83
Exons	4154..4275, 4794..4932		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80636	Strand	-
Start	4154	End	4964
Name	OJ990712_14.0317.C7.o1.gp	Method	AAT/GAP
Start	4280	End	4964
GI	none	Score	1019
Exons	4280..4652, 4794..4964		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80637	Strand	-
Start	9906	End	16159
Name	OJ990712_14.0317.C7.o4.gs	Method	GENSCAN
Start	9906	End	16159
GI	none	Score	.59
Exons	9906..9960, 10072..10375, 10444..10571, 11017..11090, 12388..12800, 13179..13270, 13298..13539, 14130..14239, 16006..16159		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80637	Strand	-
Start	9906	End	16159
Name	OJ990712_14.0317.C7.o2.gp	Method	AAT/GAP
Start	14741	End	15224
GI	LIB3432-059-P1-K1-D8	Score	730
Exons	14741..14779, 14809..15224		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	286	End	18781
GI	none	Score	265
Exons	286..648, 287..703, 629..847, 929..1093, 6645..6773, 6651..6731, 6747..6992, 6819..7037, 6942..7040, 7026..7154, 7215..7352, 7302..7517, 7524..7940, 7584..7772, 7764..7985, 7899..7967, 8073..8228, 8090..8191, 8202..8324, 17228..17473, 17372..17617, 17579..17707, 17768..17905, 17855..18070, 18077..18493, 18317..18538, 18392..18637, 18626..18781, 18646..18744		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	362	End	20027
GI	none	Score	49
Exons	362..454, 449..823, 449..802, 449..826, 452..733, 455..598, 455..793, 458..823, 458..802, 500..793, 518..715, 593..772, 641..826, 662..793, 662..826, 746..826, 830..877, 830..949, 835..945, 851..1093, 871..1071, 929..1093, 935..1072, 965..1093, 976..1086, 1037..1096, 1607..1687, 1663..1758, 1691..1759, 1805..1957, 1813..1971, 2147..2266, 6645..6773, 6645..7154, 6645..7154, 6645..6953, 6645..7154, 6645..7154, 6645..6947, 6645..6812, 6675..7154, 6710..6952, 6714..7019, 6741..7082, 6744..6932, 6770..6895, 6789..7082, 6933..7235, 6962..7021, 7139..7234, 7215..7382, 7221..7373, 7239..7394, 7251..7313, 7389..7517, 7398..7514, 7407..7571, 7596..8039, 7611..7874, 7686..8060, 7686..8039, 7686..8063, 7689..7970, 7692..8060, 7692..8063, 7692..7832, 7695..8039, 7695..7763, 7721..7963, 7755..7946, 7755..8060, 7767..7829, 7790..7963, 7899..8393, 8049..8321, 8061..8318, 8061..8186, 8061..8393, 8064..8321, 8064..8186, 8067..8267, 8067..8393, 8067..8321, 8072..8179, 8073..8396, 8073..8324, 8088..8324, 8124..8177, 8202..8393,		

9009..9173, 9029..9172, 9364..9474, 16904..16957, 16949..17002,
17006..17131, 17012..17128, 17012..17215, 17021..17506,
17027..17131, 17066..17344, 17072..17707, 17192..17707,
17192..17635, 17198..17326, 17198..17500, 17257..17505,
17297..17470, 17327..17425, 17339..17635, 17486..17788,
17504..17695, 17521..17703, 17768..17935, 17774..17926,
17804..17866, 17942..18127, 17942..18070, 17951..18061,
17984..18061, 18155..18244, 18164..18427, 18239..18613,
18239..18583, 18239..18610, 18242..18520, 18245..18613,
18245..18385, 18257..18583, 18263..18583, 18308..18499,
18343..18438, 18452..18946, 18559..18591, 18614..18871,
18616..18732, 18617..18874, 18617..18874, 18617..18739,
18620..18877, 18620..18820, 18620..18808, 18620..18877,
18626..18874, 18640..18729, 18821..18874, 18992..19021,
19376..19456, 19460..19528, 19562..19726, 19582..19725,
19917..20027

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o2.ts	Method	TBLASTX:Soybean
Start	380	End	19066
GI	none	Score	221

Exons 380..811, 398..793, 452..802, 455..793, 458..793, 458..664,
473..748, 482..724, 496..648, 551..823, 572..691, 644..769,
746..802, 827..1096, 830..1156, 929..1093, 929..1087,
6536..6589, 6623..7078, 6645..6992, 6645..7154, 6645..7154,
6645..7154, 6645..7109, 6645..7043, 6651..7082, 6699..7154,
6717..6836, 6747..7154, 6776..6880, 6782..6937, 7142..7303,
7202..7516, 7215..7517, 7215..7370, 7215..7382, 7275..7382,
7293..7382, 7389..7517, 7392..7517, 7395..7517, 7406..7516,
7617..7691, 7635..8060, 7649..7957, 7689..8063, 7692..8030,
7695..7790, 7695..8039, 7695..8321, 7719..8057, 7719..8057,
7721..7888, 7724..7957, 7730..7957, 7788..8060, 7802..7957,
7809..7928, 8064..8324, 8067..8324, 8067..8393, 8073..8453,
17012..17134, 17018..17131, 17021..17419, 17192..17596,
17192..17707, 17192..17545, 17192..17494, 17237..17635,
17252..17707, 17300..17635, 17323..17427, 17329..17490,
17360..17422, 17414..17533, 17432..17707, 17507..17710,
17768..18070, 17768..17923, 17768..17935, 17846..17935,
17951..18070, 17974..18000, 18155..18235, 18170..18244,
18170..18583, 18187..18243, 18242..18586, 18245..18583,
18248..18583, 18248..18874, 18262..18441, 18272..18370,
18272..18610, 18283..18510, 18283..18510, 18290..18403,
18320..18613, 18355..18510, 18434..18559, 18485..18562,
18506..18874, 18605..18877, 18614..19066, 18617..18877,
18620..18874, 18620..18874, 18626..18874, 18640..18801

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	392	End	18874
GI	none	Score	55

Exons 392..448, 452..811, 455..667, 458..793, 467..730, 473..586,
539..793, 611..820, 811..1017, 830..1024, 929..1096, 1037..1156,
6491..6724, 6539..7009, 6645..7094, 6672..6953, 6684..7154,

6710..7084, 6750..7154, 6761..7018, 6762..7019, 6770..6940,
7214..7375, 7215..7379, 7215..7379, 7215..7379, 7395..7517,
7413..7517, 7617..7685, 7694..7816, 7695..7904, 7695..8039,
7704..7970, 7845..8057, 8061..8321, 8067..8123, 8067..8321,
8073..8177, 17006..17134, 17009..17131, 17027..17275,
17090..17563, 17192..17647, 17225..17506, 17237..17638,
17303..17707, 17315..17572, 17447..17710, 17459..17707,
17525..17932, 17597..17869, 17768..17932, 17948..18070,
17965..18072, 17966..18070, 18170..18238, 18181..18234,
18239..18520, 18248..18457, 18248..18592, 18257..18520,
18386..18610, 18620..18676, 18620..18874, 18620..18739,
18626..18874

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	1427	End	19375
GI	none	Score	100
Exons	1427..1606, 8667..8978, 8774..8977, 19220..19375		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	1451	End	20102
GI	none	Score	88
Exons	1451..1540, 1468..1539, 1558..1743, 1559..1756, 1571..1753, 1772..1948, 1775..1981, 1807..1959, 1970..2041, 2011..2040, 2155..2274, 2156..2341, 8667..8756, 8684..8755, 8774..8962, 8775..8981, 8991..9179, 9002..9172, 9207..9257, 9227..9256, 9363..9482, 9364..9549, 19220..19309, 19237..19308, 19327..19521, 19328..19534, 19544..19744, 19555..19725, 19760..19810, 19780..19809, 19916..20035, 19917..20102		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	1591	End	19804
GI	none	Score	418
Exons	1591..1776, 1592..2035, 1816..1947, 8807..9244, 8808..9251, 19360..19797, 19361..19804		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	1808	End	20014
GI	none	Score	128
Exons	1808..1963, 2012..2041, 2156..2245, 9009..9179, 9222..9257, 9363..9461, 9364..9453, 19562..19732, 19645..19728, 19781..19810, 19916..20014, 19917..20006		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989

Name	OJ990712_14.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	2108	End	20198
GI	none	Score	146
Exons	2108..2350, 2155..2313, 2342..2437, 9325..9576, 9363..9572, 9555..9635, 9556..9645, 19916..20110, 19917..20129, 20121..20198, 20129..20188		

Seq. No.	39120	Seq. ID	OJ990712_14.0317.C7
Gene No.	80638	Strand	-
Start	21891	End	21989
Name	OJ990712_14.0317.C7.o3.np	Method	AAT/NAP
Start	21891	End	21989
GI	5852084	Score	91
Exons	21891..21989		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39121	Seq. ID	OJ990712_14.0317.C8
Gene No.	80639	Strand	+
Start	955	End	1144
Name	OJ990712_14.0317.C8.o1.np	Method	AAT/NAP
Start	955	End	1144
GI	4680203	Score	91
Exons	955..1144		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39121	Seq. ID	OJ990712_14.0317.C8
Gene No.	80640	Strand	+
Start	1305	End	1613
Name	OJ990712_14.0317.C8.o1.gs	Method	GENSCAN
Start	1305	End	1613
GI	none	Score	.55
Exons	1305..1613		

Seq. No.	39121	Seq. ID	OJ990712_14.0317.C8
Gene No.	80641	Strand	-
Start	2018	End	3944
Name	OJ990712_14.0317.C8.o2.gs	Method	GENSCAN
Start	2018	End	3944
GI	none	Score	.61
Exons	2018..2323, 2480..2551, 3720..3944		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80642	Strand	-
Start	272	End	3187
Name	OJ990712_03.0317.C2.o1.gs	Method	GENSCAN
Start	272	End	3090
GI	none	Score	.69
Exons	272..354, 1241..1383, 1716..1864, 2144..2245, 2330..2405, 2546..2567, 2981..3019, 3024..3090		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80642	Strand	-
Start	272	End	3187
Name	OJ990712_03.0317.C2.o1.gp	Method	AAT/GAP
Start	1027	End	3187
GI	16970_2.R1084	Score	1372
Exons	1027..1383, 1716..1864, 2144..2245, 2330..2405, 2521..2567,		

	3141..3187		
GI Descrip.	'2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]'		
Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80642	Strand	-
Start	272	End	3187
Name	OJ990712_03.0317.C2.o1.np	Method	AAT/NAP
Start	1239	End	2416
GI	1710521	Score	623
Exons	1239..1383, 1716..1864, 2144..2245, 2330..2416		
GI Descrip.	60S RIBOSOMAL PROTEIN L24 gi|1154859|emb|CAA63960| (X94296) L24 ribosomal protein [Hordeum vulgare]		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80643	Strand	-
Start	3458	End	4040
Name	OJ990712_03.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	1715	End	2423
GI	none	Score	153
Exons	1715..1867, 1716..1853, 2113..2250, 2136..2252, 2142..2255, 2144..2272, 2327..2422, 2328..2423		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80643	Strand	-
Start	3458	End	4040
Name	OJ990712_03.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	1715	End	2416
GI	none	Score	204
Exons	1715..1867, 1716..1865, 1717..1866, 2142..2246, 2143..2247, 2144..2248, 2310..2408, 2315..2416, 2316..2405		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80643	Strand	-
Start	3458	End	4040
Name	OJ990712_03.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	1715	End	2419
GI	none	Score	167
Exons	1715..1867, 1716..1853, 1718..1867, 2131..2250, 2142..2255, 2144..2272, 2144..2248, 2313..2408, 2315..2419		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80643	Strand	-
Start	3458	End	4040
Name	OJ990712_03.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	1799	End	2416
GI	none	Score	88
Exons	1799..1867, 1800..1865, 1804..1866, 2142..2246, 2142..2249, 2143..2247, 2144..2272, 2144..2272, 2313..2405, 2315..2416		

Seq. No.	39122	Seq. ID	OJ990712_03.0317.C2
Gene No.	80643	Strand	-
Start	3458	End	4040
Name	OJ990712_03.0317.C2.o2.gs	Method	GENSCAN
Start	3458	End	4040
GI	none	Score	.7
Exons	3458..3562, 3981..4040		

Seq. No.	39123	Seq. ID	OJ990712_03.0317.C3
Gene No.	80644	Strand	+
Start	1	End	1396
Name	OJ990712_03.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	1396
GI	5852084	Score	84
Exons	1..40, 1305..1396		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39123	Seq. ID	OJ990712_03.0317.C3
Gene No.	80645	Strand	+
Start	1858	End	1994
Name	OJ990712_03.0317.C3.o1.gs	Method	GENSCAN
Start	1858	End	1994
GI	none	Score	.86
Exons	1858..1994		

Seq. No.	39123	Seq. ID	OJ990712_03.0317.C3
Gene No.	80646	Strand	-
Start	2508	End	2669
Name	OJ990712_03.0317.C3.o2.gs	Method	GENSCAN
Start	2508	End	2669
GI	none	Score	.91
Exons	2508..2669		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80647	Strand	+
Start	5869	End	6301
Name	OJ990712_03.0317.C4.o1.gp	Method	AAT/GAP
Start	5869	End	6301
GI	LIB3432-025-P1-K1-E3	Score	843
Exons	5869..6301		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 6.0e-32 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80648	Strand	+
Start	14212	End	15637
Name	OJ990712_03.0317.C4.o2.np	Method	AAT/NAP
Start	14212	End	15637
GI	5852084	Score	70
Exons	14212..14258, 15554..15637		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80649	Strand	+
Start	36433	End	39424
Name	OJ990712_03.0317.C4.o6.gs	Method	GENSCAN
Start	36433	End	39401
GI	none	Score	.5
Exons	36433..37227, 37363..37508, 37802..38420, 38889..39401		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80649	Strand	+
Start	36433	End	39424
Name	OJ990712_03.0317.C4.o6.np	Method	AAT/NAP

Start	36517	End	39424
GI	6815097	Score	3548
Exons	36517..37404, 37911..38503, 38617..39424		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80650	Strand	-
Start	3337	End	15226
Name	OJ990712_03.0317.C4.o2.gs	Method	GENSCAN
Start	3337	End	15226
GI	none	Score	.56
Exons	3337..3940, 3981..4172, 4680..4774, 5188..5308, 6521..6625, 8528..8776, 9109..9212, 12237..12335, 12640..12840, 12874..12958, 13513..13782, 14991..15226		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80650	Strand	-
Start	3337	End	15226
Name	OJ990712_03.0317.C4.o2.gp	Method	AAT/GAP
Start	6804	End	6946
GI	3768463	Score	225
Exons	6804..6946		
GI Descrip.	5295936/dbj|AB026295.2|AB026295 6.0e-32 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80650	Strand	-
Start	3337	End	15226
Name	OJ990712_03.0317.C4.o1.np	Method	AAT/NAP
Start	11360	End	12900
GI	4204262	Score	148
Exons	11360..11396, 12667..12900		
GI Descrip.	(AC005223) 37783 [Arabidopsis thaliana]		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80651	Strand	-
Start	21738	End	22670
Name	OJ990712_03.0317.C4.o4.gs	Method	GENSCAN
Start	21738	End	22670
GI	none	Score	.63
Exons	21738..22670		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	12258	End	13837
GI	none	Score	98
Exons	12258..12338, 12262..12342, 12263..12343, 12640..12924, 12641..12925, 12917..12955, 12922..12984, 13506..13706, 13513..13707, 13516..13710, 13658..13711, 13658..13717, 13757..13837, 13782..13832		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679

Name	OJ990712_03.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	13515	End	13718
GI	none	Score	146
Exons	13515..13718, 13516..13710		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o5.gs	Method	GENSCAN
Start	26154	End	35651
GI	none	Score	.57
Exons	26154..26243, 26389..26526, 27999..28089, 28136..28254, 29210..29350, 29523..29596, 29681..29858, 31423..31504, 31720..31838, 32026..32145, 32351..32421, 33539..33716, 33948..33976, 34920..35109, 35196..35493, 35563..35651		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o3.np	Method	AAT/NAP
Start	28273	End	28817
GI	7228450	Score	209
Exons	28273..28388, 28474..28611, 28756..28817		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o3.gp	Method	AAT/GAP
Start	31053	End	34010
GI	452_2.R1084	Score	1593
Exons	31053..31289, 31423..31504, 31720..31838, 32026..32145, 32351..32421, 33539..33716, 33948..34010		
GI Descrip.	'2293566 1.0e-101 (AF012896) ADP-ribosylation factor 1 [Oryza sativa]'		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	31413	End	32429
GI	none	Score	97
Exons	31413..31505, 31423..31503, 31434..31508, 31692..31841, 31704..31865, 32025..32132, 32025..32132, 32026..32154, 32026..32154, 32345..32425, 32352..32429		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	31415	End	33704
GI	none	Score	168
Exons	31415..31534, 31422..31505, 31423..31509, 31700..31840, 31701..31841, 31704..31865, 32020..32154, 32024..32146, 32026..32154, 32248..32418, 32345..32419, 32345..32425, 32346..32429, 32352..32429, 33537..33701, 33538..33690, 33600..33704		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	31419	End	33699
GI	none	Score	103
Exons	31419..31538, 31423..31503, 31424..31540, 31704..31754, 31705..31761, 31735..31803, 31746..31823, 31746..31820, 31812..31865, 32020..32154, 32026..32154, 32345..32425, 32351..32422, 32352..32429, 32352..32429, 33537..33689, 33538..33699		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o4.np	Method	AAT/NAP
Start	31420	End	33686
GI	2293566	Score	813
Exons	31420..31504, 31720..31838, 32026..32145, 32351..32421, 33539..33686		
GI Descrip.	(AF012896) ADP-ribosylation factor 1 [Oryza sativa]		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o2.tw	Method	TBLASTX:Wheat
Start	31423	End	32112
GI	none	Score	115
Exons	31423..31503, 31424..31504, 31433..31534, 31541..31585, 31710..31865, 31714..31803, 31994..32107, 32020..32109, 32026..32112		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	32113	End	33719
GI	none	Score	126
Exons	32113..32154, 32345..32425, 32346..32429, 33537..33719, 33538..33696		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	33537	End	33731
GI	none	Score	197
Exons	33537..33731, 33538..33690		

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80652	Strand	-
Start	26154	End	35679
Name	OJ990712_03.0317.C4.o5.np	Method	AAT/NAP
Start	35091	End	35679
GI	6815096	Score	569
Exons	35091..35323, 35384..35493, 35563..35679		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	39124	Seq. ID	OJ990712_03.0317.C4
Gene No.	80653	Strand	
Start	36616	End	36873
Name	OJ990712_03.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	36616	End	36873
GI	none	Score	206
Exons	36616..36873		

Seq. No.	39125	Seq. ID	OJ990712_03.0317.C5
Gene No.	80654	Strand	-
Start	528	End	3821
Name	OJ990712_03.0317.C5.o1.gs	Method	GENSCAN
Start	528	End	3521
GI	none	Score	.85
Exons	528..670, 893..1047, 1841..1981, 2533..2597, 3440..3521		

Seq. No.	39125	Seq. ID	OJ990712_03.0317.C5
Gene No.	80654	Strand	-
Start	528	End	3821
Name	OJ990712_03.0317.C5.o1.gp	Method	AAT/GAP
Start	2973	End	3821
GI	452_5.R1084	Score	822
Exons	2973..3312, 3440..3521, 3794..3821		

GI Descrip. '2293566 1.0e-101 (AF012896) ADP-ribosylation factor 1 [Oryza sativa]'

Seq. No.	39126	Seq. ID	OJ990712_03.0317.C6
Gene No.	80655	Strand	-
Start	1	End	3593
Name	OJ990712_03.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	3593
GI	6466937	Score	679
Exons	1..1908, 3572..3593		

GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	39126	Seq. ID	OJ990712_03.0317.C6
Gene No.	80655	Strand	-
Start	1	End	3593
Name	OJ990712_03.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	415
GI	none	Score	63
Exons	1..162, 165..299, 166..294, 287..415, 294..407		

Seq. No.	39126	Seq. ID	OJ990712_03.0317.C6
Gene No.	80655	Strand	-
Start	1	End	3593
Name	OJ990712_03.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	16	End	475
GI	none	Score	73
Exons	16..177, 20..163, 163..297, 165..299, 302..475, 303..467		

Seq. No.	39126	Seq. ID	OJ990712_03.0317.C6
Gene No.	80655	Strand	-
Start	1	End	3593

Name	OJ990712_03.0317.C6.o1.gs	Method	GENSCAN
Start	370	End	3104
GI	none	Score	.62
Exons	370..491, 525..1011, 1256..1735, 2021..2233, 2811..2872, 3079..3104		

Seq. No.	39127	Seq. ID	OJ990712_03.0317.C7
Gene No.	80656	Strand	+
Start	337	End	1894
Name	OJ990712_03.0317.C7.o1.np	Method	AAT/NAP
Start	337	End	1894
GI	7523502	Score	177
Exons	337..430, 743..973, 1811..1894		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39127	Seq. ID	OJ990712_03.0317.C7
Gene No.	80657	Strand	+
Start	3716	End	3894
Name	OJ990712_03.0317.C7.o2.np	Method	AAT/NAP
Start	3167	End	3291
GI	7106528	Score	76
Exons	3167..3291		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39127	Seq. ID	OJ990712_03.0317.C7
Gene No.	80657	Strand	+
Start	3716	End	3894
Name	OJ990712_03.0317.C7.o2.gs	Method	GENSCAN
Start	3716	End	3894
GI	none	Score	.79
Exons	3716..3894		

Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80658	Strand	+
Start	1700	End	3410
Name	OJ990712_03.0317.C8.o1.np	Method	AAT/NAP
Start	1700	End	3410
GI	7523502	Score	190
Exons	1700..1793, 2105..2261, 3251..3410		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80659	Strand	+
Start	7169	End	14775
Name	OJ990712_03.0317.C8.o2.gs	Method	GENSCAN
Start	7169	End	14222
GI	none	Score	.56
Exons	7169..7233, 8168..8375, 8745..9013, 9092..9512, 10962..11140, 12242..12432, 13254..13321, 13757..13916, 14131..14222		

Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80659	Strand	+
Start	7169	End	14775
Name	OJ990712_03.0317.C8.o2.np	Method	AAT/NAP
Start	13365	End	14775
GI	7523502	Score	134

Exons	13365..13478, 13760..13881, 14750..14775		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80660	Strand	+
Start	14944	End	17697
Name	OJ990712_03.0317.C8.o3.gs	Method	GENSCAN
Start	14944	End	17697
GI	none	Score	.76
Exons	14944..14979, 15763..15891, 15932..16014, 17120..17240, 17551..17697		
Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80661	Strand	-
Start	19193	End	24711
Name	OJ990712_03.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	8475	End	8999
GI	none	Score	62
Exons	8475..8570, 8487..8570, 8572..8676, 8595..8999, 8624..8677, 8673..8996		
Seq. No.	39128	Seq. ID	OJ990712_03.0317.C8
Gene No.	80661	Strand	-
Start	19193	End	24711
Name	OJ990712_03.0317.C8.o4.gs	Method	GENSCAN
Start	19193	End	24711
GI	none	Score	.54
Exons	19193..19280, 19315..19446, 23770..23971, 24396..24604, 24668..24711		
Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11
Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	980
GI	5080762	Score	479
Exons	1..980		
GI Descrip.	(AC007203) Similar to retrotransposon polyprotein [Arabidopsis thaliana]		
Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11
Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	32	End	691
GI	none	Score	88
Exons	32..148, 32..220, 251..691, 303..683		
Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11
Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o1.gs	Method	GENSCAN
Start	181	End	850
GI	none	Score	.9
Exons	181..850		
Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11

Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o1.tw	Method	TBLASTX:Wheat
Start	182	End	589
GI	none	Score	116
Exons	182..589, 198..587		

Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11
Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o2.tw	Method	TBLASTX:Wheat
Start	653	End	969
GI	none	Score	58
Exons	653..856, 654..833, 886..969		

Seq. No.	39129	Seq. ID	OJ990712_03.0317.C11
Gene No.	80662	Strand	-
Start	1	End	980
Name	OJ990712_03.0317.C11.o2.tm	Method	TBLASTX:Maize
Start	695	End	978
GI	none	Score	75
Exons	695..850, 698..838, 708..845, 856..978		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o1.gs	Method	GENSCAN
Start	41	End	3255
GI	none	Score	.51
Exons	41..97, 354..560, 590..2442, 2460..2497, 2559..2615, 2646..3048, 3075..3255		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o1.np	Method	AAT/NAP
Start	635	End	5269
GI	7228457	Score	5722
Exons	635..1001, 1063..2998, 3974..4808, 4931..5269		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o4.tw	Method	TBLASTX:Wheat
Start	1129	End	1681
GI	none	Score	34
Exons	1129..1164, 1289..1336, 1343..1441, 1348..1440, 1408..1647, 1424..1681		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	1294	End	1579

GI	none	Score	197
Exons	1294..1578, 1331..1579		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o3.tw	Method	TBLASTX:Wheat
Start	2419	End	2905
GI	none	Score	403
Exons	2419..2550, 2420..2905, 2614..2874		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	3981	End	4444
GI	none	Score	224
Exons	3981..4424, 3982..4437, 3983..4444, 3983..4438		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	4022	End	4387
GI	none	Score	118
Exons	4022..4246, 4253..4387		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o2.gs	Method	GENSCAN
Start	4037	End	5195
GI	none	Score	.91
Exons	4037..4347, 4531..5195		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	4112	End	4468
GI	none	Score	393
Exons	4112..4468, 4147..4458, 4163..4468		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	4495	End	4879
GI	none	Score	353
Exons	4495..4860, 4496..4879		

Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	4552	End	4972
GI	none	Score	484

Exons	4552..4965, 4553..4972		
Seq. No.	39130	Seq. ID	OJ990322_05.0323.C6
Gene No.	80663	Strand	+
Start	41	End	5269
Name	OJ990322_05.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	4631	End	5002
GI	none	Score	275
Exons	4631..5002, 4648..4791		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80664	Strand	+
Start	1	End	2176
Name	OJ990322_05.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	2173
GI	7228457	Score	3456
Exons	1..557, 624..2173		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80664	Strand	+
Start	1	End	2176
Name	OJ990322_05.0323.C7.o1.gs	Method	GENSCAN
Start	59	End	2176
GI	none	Score	.4
Exons	59..677, 785..1234, 1334..1899, 1906..2176		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	78	End	536
GI	none	Score	241
Exons	78..332, 102..356, 167..352, 387..536, 396..533, 398..535		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	1043	End	1375
GI	none	Score	337
Exons	1043..1366, 1060..1353, 1163..1375		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o2.tw	Method	TBLASTX:Wheat
Start	1180	End	1561
GI	none	Score	352
Exons	1180..1248, 1181..1561, 1184..1522, 1282..1530		
Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o3.tw	Method	TBLASTX:Wheat

Start	1562	End	2164
GI	none	Score	258
Exons	1562..1846, 1564..1872, 1567..1845, 2038..2160, 2039..2164		

Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	2033	End	2179
GI	none	Score	186
Exons	2033..2179, 2038..2172		

Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o2.gs	Method	GENSCAN
Start	2805	End	6114
GI	none	Score	.52
Exons	2805..4834, 5127..6114		

Seq. No.	39131	Seq. ID	OJ990322_05.0323.C7
Gene No.	80665	Strand	-
Start	2805	End	6114
Name	OJ990322_05.0323.C7.o2.np	Method	AAT/NAP
Start	2808	End	6114
GI	6907089	Score	4894
Exons	2808..4740, 4835..6114		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39132	Seq. ID	OJ990322_05.0323.C8
Gene No.	80666	Strand	-
Start	1077	End	3355
Name	OJ990322_05.0323.C8.o1.gs	Method	GENSCAN
Start	1077	End	3355
GI	none	Score	.82
Exons	1077..1296, 1967..2130, 2852..3076, 3261..3355		

Seq. No.	39132	Seq. ID	OJ990322_05.0323.C8
Gene No.	80666	Strand	-
Start	1077	End	3355
Name	OJ990322_05.0323.C8.o1.np	Method	AAT/NAP
Start	1199	End	2968
GI	7485454	Score	317
Exons	1199..1296, 1967..2130, 2852..2968		
GI Descrip.	hypothetical protein F13M23.260 - Arabidopsis thaliana gi|4455255|emb|CAB36754.1| (AL035523) putative protein [Arabidopsis thaliana] gi|7269362|emb|CAB79421.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	39133	Seq. ID	OJ990322_05.0323.C9
Gene No.	80667	Strand	-
Start	486	End	770
Name	OJ990322_05.0323.C9.o1.gs	Method	GENSCAN
Start	486	End	770
GI	none	Score	.76
Exons	486..770		

Seq. No.	39134	Seq. ID	OJ990322_05.0323.C10
Gene No.	80668	Strand	+
Start	2448	End	3706
Name	OJ990322_05.0323.C10.o1.gs	Method	GENSCAN
Start	2448	End	3087
GI	none	Score	.86
Exons	2448..2547, 2927..3087		

Seq. No.	39134	Seq. ID	OJ990322_05.0323.C10
Gene No.	80668	Strand	+
Start	2448	End	3706
Name	OJ990322_05.0323.C10.o1.np	Method	AAT/NAP
Start	2448	End	3706
GI	421867	Score	204
Exons	2448..2547, 2927..3140, 3639..3706		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - turnip gi|347064 (L21898) ubiquitin/ribosomal protein [Brassica rapa] gi|395079|emb|CAA80863| (Z24738) ubiquitin/ribosomal protein [Brassica rapa]		

Seq. No.	39134	Seq. ID	OJ990322_05.0323.C10
Gene No.	80669	Strand	+
Start	3728	End	8358
Name	OJ990322_05.0323.C10.o2.np	Method	AAT/NAP
Start	3728	End	8358
GI	6723387	Score	166
Exons	3728..3754, 6127..6790, 8332..8358		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	39134	Seq. ID	OJ990322_05.0323.C10
Gene No.	80670	Strand	-
Start	4650	End	8249
Name	OJ990322_05.0323.C10.o2.gs	Method	GENSCAN
Start	4650	End	8249
GI	none	Score	.61
Exons	4650..4882, 5375..5643, 5716..5811, 6003..6171, 6509..6583, 7580..7622, 8159..8249		

Seq. No.	39135	Seq. ID	OJ990322_05.0323.C11
Gene No.	80671	Strand	+
Start	1068	End	2638
Name	OJ990322_05.0323.C11.o1.gs	Method	GENSCAN
Start	1068	End	2638
GI	none	Score	.54
Exons	1068..1127, 2514..2638		

Seq. No.	39135	Seq. ID	OJ990322_05.0323.C11
Gene No.	80672	Strand	-
Start	3273	End	5261
Name	OJ990322_05.0323.C11.o2.gs	Method	GENSCAN
Start	3273	End	5261
GI	none	Score	.64
Exons	3273..3761, 4121..4230, 4300..4483, 5214..5261		

Seq. No.	39135	Seq. ID	OJ990322_05.0323.C11
Gene No.	80673	Strand	-
Start	5752	End	6423

Name	OJ990322_05.0323.C11.o2.np	Method	AAT/NAP
Start	5752	End	6423
GI	7242910	Score	103
Exons	5752..5847, 5974..6166, 6371..6423		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80674	Strand	+
Start	2858	End	4995
Name	OJ990322_05.0323.C12.o1.gs	Method	GENSCAN
Start	2858	End	4995
GI	none	Score	.73
Exons	2858..2948, 4168..4801, 4914..4995		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80674	Strand	+
Start	2858	End	4995
Name	OJ990322_05.0323.C12.o1.np	Method	AAT/NAP
Start	3263	End	3345
GI	6721547	Score	67
Exons	3263..3345		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80675	Strand	+
Start	5103	End	23648
Name	OJ990322_05.0323.C12.o3.np	Method	AAT/NAP
Start	5103	End	12093
GI	5042454	Score	231
Exons	5103..5132, 11606..11781, 12040..12093		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80675	Strand	+
Start	5103	End	23648
Name	OJ990322_05.0323.C12.o2.gs	Method	GENSCAN
Start	5706	End	9347
GI	none	Score	.55
Exons	5706..5821, 6224..6548, 6680..6791, 6869..6975, 7103..7195, 7622..7657, 8047..8142, 8733..9109, 9152..9347		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80675	Strand	+
Start	5103	End	23648
Name	OJ990322_05.0323.C12.o7.np	Method	AAT/NAP
Start	8009	End	23648
GI	4680183	Score	182
Exons	8009..8035, 22857..22954, 23559..23648		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80675	Strand	+
Start	5103	End	23648
Name	OJ990322_05.0323.C12.o5.np	Method	AAT/NAP
Start	17899	End	19396
GI	7413535	Score	67
Exons	17899..18073, 19333..19396		

GI Descrip. (AL162972) putative protein [Arabidopsis thaliana]

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80675	Strand	+
Start	5103	End	23648
Name	OJ990322_05.0323.C12.o6.np	Method	AAT/NAP
Start	21985	End	22610
GI	4680204	Score	493
Exons	21985..22610		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80676	Strand	-
Start	11178	End	11310
Name	OJ990322_05.0323.C12.o2.np	Method	AAT/NAP
Start	11178	End	11310
GI	7523512	Score	136
Exons	11178..11310		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80677	Strand	-
Start	18832	End	20644
Name	OJ990322_05.0323.C12.o4.gs	Method	GENSCAN
Start	18832	End	20644
GI	none	Score	.44
Exons	18832..19218, 19717..19900, 20466..20644		

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80678	Strand	-
Start	21306	End	21545
Name	OJ990322_05.0323.C12.o3.gp	Method	AAT/GAP
Start	21306	End	21545
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	21306..21365, 21504..21545		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	39136	Seq. ID	OJ990322_05.0323.C12
Gene No.	80679	Strand	
Start	22096	End	22501
Name	OJ990322_05.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	22096	End	22501
GI	none	Score	209
Exons	22096..22341, 22100..22336, 22384..22500, 22409..22501		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80680	Strand	+
Start	350	End	10930
Name	OJ990322_05.0323.C13.o1.gs	Method	GENSCAN
Start	350	End	10930
GI	none	Score	.43
Exons	350..565, 661..1255, 1457..1707, 1840..2012, 2107..2217, 2301..2325, 2639..2817, 3152..3367, 3947..4013, 4871..4919, 6252..6334, 6465..6578, 10387..10596, 10820..10930		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	497	End	873
GI	none	Score	66
Exons	497..568, 655..873		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o2.np	Method	AAT/NAP
Start	11973	End	14414
GI	7434286	Score	295
Exons	11973..11997, 12227..13168, 14327..14414		
GI Descrip.	probable serine/threonine/tyrosine-specific protein kinase (EC 2.7.1.-) T9I4.1 - Arabidopsis thaliana gi|3461835|gb|AAC33221.1| (AC005315) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o2.gs	Method	GENSCAN
Start	12211	End	14097
GI	none	Score	.54
Exons	12211..14097		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o1.np	Method	AAT/NAP
Start	12233	End	14238
GI	3549626	Score	482
Exons	12233..13134, 14182..14238		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	12283	End	12879
GI	none	Score	463
Exons	12283..12879, 12291..12506, 12506..12520, 12552..12869		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	12288	End	14028
GI	none	Score	81
Exons	12288..12374, 12295..12369, 12336..12503, 12352..12504, 12568..12873, 12648..12872, 12874..13062, 13245..13427, 13246..13467, 13522..13629, 13747..13806, 13927..14028		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414

Name	OJ990322_05.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	12291	End	14022
GI	none	Score	68
Exons	12291..12368, 12295..12369, 12382..12504, 12396..12500, 12428..12520, 12571..12879, 12592..12840, 12633..12857, 12910..13101, 13339..13467, 13558..13629, 13747..13806, 13927..14022		

Seq. No.	39137	Seq. ID	OJ990322_05.0323.C13
Gene No.	80681	Strand	+
Start	12211	End	14414
Name	OJ990322_05.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	12568	End	12879
GI	none	Score	209
Exons	12568..12879		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80682	Strand	+
Start	5477	End	8849
Name	OJ990322_05.0323.C14.o2.gs	Method	GENSCAN
Start	5477	End	8849
GI	none	Score	.66
Exons	5477..5683, 7779..7874, 8541..8612, 8745..8849		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80682	Strand	+
Start	5477	End	8849
Name	OJ990322_05.0323.C14.o2.np	Method	AAT/NAP
Start	5477	End	8846
GI	6648169	Score	579
Exons	5477..5650, 6283..6383, 6435..6632, 7109..7343, 7779..7874, 8541..8612, 8745..8846		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80683	Strand	+
Start	15615	End	19967
Name	OJ990322_05.0323.C14.o5.gs	Method	GENSCAN
Start	15615	End	19967
GI	none	Score	.7
Exons	15615..15634, 15747..15829, 16040..16183, 16575..16824, 17339..17512, 17667..17779, 18115..18269, 18375..18447, 18614..18738, 18851..19125, 19292..19319, 19371..19967		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80683	Strand	+
Start	15615	End	19967
Name	OJ990322_05.0323.C14.o4.np	Method	AAT/NAP
Start	18742	End	19964
GI	6721561	Score	1168
Exons	18742..18997, 19068..19125, 19199..19964		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80684	Strand	-
Start	1271	End	4020
Name	OJ990322_05.0323.C14.o1.np	Method	AAT/NAP
Start	1271	End	4020
GI	6648169	Score	69
Exons	1271..1293, 2960..3110, 3901..4020		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80685	Strand	-
Start	11200	End	11653
Name	OJ990322_05.0323.C14.o3.gs	Method	GENSCAN
Start	11200	End	11653
GI	none	Score	.68
Exons	11200..11256, 11309..11449, 11639..11653		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80686	Strand	-
Start	12734	End	16266
Name	OJ990322_05.0323.C14.o4.gs	Method	GENSCAN
Start	12734	End	14380
GI	none	Score	.64
Exons	12734..12847, 13546..13731, 14027..14380		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80686	Strand	-
Start	12734	End	16266
Name	OJ990322_05.0323.C14.o3.np	Method	AAT/NAP
Start	14160	End	16266
GI	7523517	Score	346
Exons	14160..14367, 15706..15822, 15967..16266		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	7206	End	8627
GI	none	Score	215
Exons	7206..7352, 7208..7342, 7213..7347, 7778..7885, 7779..7892, 7785..7892, 8524..8610, 8524..8601, 8540..8611, 8541..8627, 8541..8615		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o6.gs	Method	GENSCAN
Start	20056	End	26231
GI	none	Score	.57
Exons	20056..20214, 20331..20522, 20533..20757, 21202..21383, 21513..22034, 22036..22429, 22525..23284, 23329..24596, 24684..25064, 25348..25519, 25841..26066, 26156..26231		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317

Name	OJ990322_05.0323.C14.o5.np	Method	AAT/NAP
Start	21463	End	24587
GI	5902445	Score	2822
Exons	21463..22222, 22273..22767, 22807..24587		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o3.tw	Method	TBLASTX:Wheat
Start	21472	End	22087
GI	none	Score	68
Exons	21472..21603, 21485..21598, 21628..22014, 22013..22087		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o5.tm	Method	TBLASTX:Maize
Start	21508	End	21774
GI	none	Score	140
Exons	21508..21591, 21592..21774		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o4.tw	Method	TBLASTX:Wheat
Start	22214	End	22647
GI	none	Score	161
Exons	22214..22264, 22268..22639, 22270..22647		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	22342	End	22647
GI	none	Score	167
Exons	22342..22647, 22343..22630		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o6.tw	Method	TBLASTX:Wheat
Start	23119	End	23525
GI	none	Score	42
Exons	23119..23277, 23119..23292, 23300..23344, 23305..23349, 23355..23525		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	23616	End	24041
GI	none	Score	93
Exons	23616..24041, 23857..23997		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-

Start	20056	End	26317
Name	OJ990322_05.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	23671	End	24095
GI	none	Score	260
Exons	23671..23997, 23673..24095, 23703..24092		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	23769	End	24125
GI	none	Score	128
Exons	23769..24125, 23770..23997, 24008..24103		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	24159	End	24512
GI	none	Score	140
Exons	24159..24218, 24198..24512, 24207..24446, 24208..24450		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	24198	End	24642
GI	none	Score	361
Exons	24198..24641, 24199..24642		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	24237	End	24602
GI	none	Score	114
Exons	24237..24371, 24387..24602		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o6.np	Method	AAT/NAP
Start	24654	End	26317
GI	5902444	Score	921
Exons	24654..26317		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-
Start	20056	End	26317
Name	OJ990322_05.0323.C14.o5.tw	Method	TBLASTX:Wheat
Start	24834	End	25287
GI	none	Score	118
Exons	24834..25070, 24844..25068, 25159..25287, 25163..25279		

Seq. No.	39138	Seq. ID	OJ990322_05.0323.C14
Gene No.	80687	Strand	-

Start	20056	End	26317
Name	OJ990322_05.0323.C14.o7.tw	Method	TBLASTX:Wheat
Start	25918	End	26256
GI	none	Score	93
Exons	25918..26193, 25967..26188, 26149..26256, 26162..26254		

Seq. No.	39139	Seq. ID	OJ990602_09.0309.C8
Gene No.	80688	Strand	
Start	2	End	373
Name	OJ990602_09.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	373
GI	none	Score	59
Exons	2..373, 19..114, 26..187, 42..245		

Seq. No.	39140	Seq. ID	OJ990602_09.0309.C9
Gene No.	80689	Strand	
Start	518	End	721
Name	OJ990602_09.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	518	End	721
GI	none	Score	88
Exons	518..619, 519..620, 599..721, 600..659		

Seq. No.	39141	Seq. ID	OJ990602_09.0309.C12
Gene No.	80690	Strand	
Start	2	End	466
Name	OJ990602_09.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	2	End	342
GI	none	Score	224
Exons	2..340, 94..342		

Seq. No.	39141	Seq. ID	OJ990602_09.0309.C12
Gene No.	80690	Strand	
Start	2	End	466
Name	OJ990602_09.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	16	End	289
GI	none	Score	127
Exons	16..186, 26..187, 191..289, 223..288		

Seq. No.	39141	Seq. ID	OJ990602_09.0309.C12
Gene No.	80690	Strand	
Start	2	End	466
Name	OJ990602_09.0309.C12.o1.tw	Method	TBLASTX:Wheat
Start	59	End	466
GI	none	Score	372
Exons	59..466, 101..262, 103..321		

Seq. No.	39141	Seq. ID	OJ990602_09.0309.C12
Gene No.	80691	Strand	
Start	569	End	901
Name	OJ990602_09.0309.C12.o2.tw	Method	TBLASTX:Wheat
Start	569	End	901
GI	none	Score	232
Exons	569..901, 703..882		

Seq. No.	39141	Seq. ID	OJ990602_09.0309.C12
Gene No.	80691	Strand	
Start	569	End	901

Name	OJ990602_09.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	698	End	901
GI	none	Score	260
Exons	698..901, 718..897		

Seq. No.	39142	Seq. ID	OJ990602_09.0309.C14
Gene No.	80692	Strand	+
Start	904	End	1052
Name	OJ990602_09.0309.C14.o1.gp	Method	AAT/GAP
Start	904	End	1052
GI	uC-osf1cyp177g01a1	Score	236
Exons	904..1052		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	39143	Seq. ID	OJ990602_09.0309.C32
Gene No.	80693	Strand	+
Start	205	End	514
Name	OJ990602_09.0309.C32.o1.gp	Method	AAT/GAP
Start	205	End	514
GI	1450_1.R1084	Score	573
Exons	205..514		
GI Descrip.	'4337177/gb|AAD18098| 1.0e-163 (AC006416) Identical to gb_Y10557 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475, gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39144	Seq. ID	OJ990602_09.0309.C60
Gene No.	80694	Strand	+
Start	857	End	1338
Name	OJ990602_09.0309.C60.o1.gp	Method	AAT/GAP
Start	857	End	1338
GI	37107_1.R1084	Score	892
Exons	857..1338		
GI Descrip.	'1362162/pir||A57512 2.0e-28 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'		

Seq. No.	39144	Seq. ID	OJ990602_09.0309.C60
Gene No.	80694	Strand	+
Start	857	End	1338
Name	OJ990602_09.0309.C60.o1.tm	Method	TBLASTX:Maize
Start	1074	End	1338
GI	none	Score	161
Exons	1074..1337, 1078..1338, 1083..1337		

Seq. No.	39144	Seq. ID	OJ990602_09.0309.C60
Gene No.	80694	Strand	+
Start	857	End	1338
Name	OJ990602_09.0309.C60.o1.tw	Method	TBLASTX:Wheat
Start	1086	End	1338
GI	none	Score	181
Exons	1086..1334, 1096..1278, 1096..1338		

Seq. No.	39144	Seq. ID	OJ990602_09.0309.C60
Gene No.	80694	Strand	+
Start	857	End	1338
Name	OJ990602_09.0309.C60.o1.tc	Method	TBLASTX:Cress

Start	1089	End	1337
GI	none	Score	160
Exons	1089..1337, 1102..1263		

Seq. No.	39144	Seq. ID	OJ990602_09.0309.C60
Gene No.	80694	Strand	+
Start	857	End	1338
Name	OJ990602_09.0309.C60.o1.ts	Method	TBLASTX:Soybean
Start	1092	End	1337
GI	none	Score	161
Exons	1092..1337, 1102..1266		

Seq. No.	39145	Seq. ID	OJ990602_09.0309.C65
Gene No.	80695	Strand	+
Start	373	End	888
Name	OJ990602_09.0309.C65.o1.gp	Method	AAT/GAP
Start	373	End	888
GI	1103_1.R1084	Score	1021
Exons	373..888		
GI Descrip.	'131225/sp|P23993|PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L) >gi_100605_pir__A39759 photosystem I 18K protein precursor - barley >gi_167087 (M61146) photosystem I hydrophobic protein [Hordeum vulgare]'		

Seq. No.	39145	Seq. ID	OJ990602_09.0309.C65
Gene No.	80695	Strand	+
Start	373	End	888
Name	OJ990602_09.0309.C65.o1.tm	Method	TBLASTX:Maize
Start	608	End	888
GI	none	Score	150
Exons	608..730, 622..729, 730..792,	731..793, 735..887, 736..888	

Seq. No.	39145	Seq. ID	OJ990602_09.0309.C65
Gene No.	80695	Strand	+
Start	373	End	888
Name	OJ990602_09.0309.C65.o1.ts	Method	TBLASTX:Soybean
Start	610	End	887
GI	none	Score	138
Exons	610..744, 611..730, 735..887,	745..843	

Seq. No.	39145	Seq. ID	OJ990602_09.0309.C65
Gene No.	80695	Strand	+
Start	373	End	888
Name	OJ990602_09.0309.C65.o1.tc	Method	TBLASTX:Cress
Start	619	End	843
GI	none	Score	142
Exons	619..744, 620..730, 735..842,	739..843	

Seq. No.	39146	Seq. ID	OJ990602_09.0309.C67
Gene No.	80696	Strand	+
Start	877	End	1258
Name	OJ990602_09.0309.C67.o1.gp	Method	AAT/GAP
Start	877	End	1258
GI	uC-osflcyp033a04b1	Score	683
Exons	877..1258		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	39147	Seq. ID	OJ990602_09.0309.C72
Gene No.	80697	Strand	-
Start	549	End	978
Name	OJ990602_09.0309.C72.o1.gp	Method	AAT/GAP
Start	549	End	978
GI	2428185	Score	809
Exons	549..978		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	39147	Seq. ID	OJ990602_09.0309.C72
Gene No.	80698	Strand	-
Start	996	End	1730
Name	OJ990602_09.0309.C72.o2.gp	Method	AAT/GAP
Start	996	End	1730
GI	101153_1.R1084	Score	566
Exons	996..1224, 1540..1730		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39148	Seq. ID	OJ990602_09.0309.C73
Gene No.	80699	Strand	
Start	439	End	1110
Name	OJ990602_09.0309.C73.o1.tc	Method	TBLASTX:Cress
Start	439	End	1110
GI	none	Score	160
Exons	439..657, 697..1110		

Seq. No.	39149	Seq. ID	OJ990602_09.0309.C77
Gene No.	80700	Strand	
Start	487	End	780
Name	OJ990602_09.0309.C77.o1.tm	Method	TBLASTX:Maize
Start	487	End	780
GI	none	Score	72
Exons	487..540, 579..764, 586..774,	586..780	

Seq. No.	39149	Seq. ID	OJ990602_09.0309.C77
Gene No.	80700	Strand	
Start	487	End	780
Name	OJ990602_09.0309.C77.o1.tw	Method	TBLASTX:Wheat
Start	487	End	774
GI	none	Score	78
Exons	487..540, 489..536, 601..774,	627..764	

Seq. No.	39149	Seq. ID	OJ990602_09.0309.C77
Gene No.	80700	Strand	
Start	487	End	780
Name	OJ990602_09.0309.C77.o1.ts	Method	TBLASTX:Soybean
Start	487	End	774
GI	none	Score	87
Exons	487..540, 537..761, 601..774		

Seq. No.	39150	Seq. ID	OJ990602_09.0309.C79
Gene No.	80701	Strand	+
Start	882	End	1459

Name	OJ990602_09.0309.C79.o1.gp	Method	AAT/GAP
Start	882	End	1459
GI	2310235	Score	290
Exons	882..919, 1320..1459		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80702	Strand	
Start	1	End	403
Name	OJ990602_09.0309.C80.o1.tw	Method	TBLASTX:Wheat
Start	1	End	403
GI	none	Score	78
Exons	1..126, 1..402, 2..403		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80702	Strand	
Start	1	End	403
Name	OJ990602_09.0309.C80.o2.ts	Method	TBLASTX:Soybean
Start	1	End	283
GI	none	Score	180
Exons	1..282, 2..283		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80703	Strand	
Start	493	End	1311
Name	OJ990602_09.0309.C80.o1.tc	Method	TBLASTX:Cress
Start	493	End	1035
GI	none	Score	62
Exons	493..663, 683..745, 757..1035		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80703	Strand	
Start	493	End	1311
Name	OJ990602_09.0309.C80.o1.ts	Method	TBLASTX:Soybean
Start	604	End	1068
GI	none	Score	135
Exons	604..753, 739..1068, 740..1060		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80703	Strand	
Start	493	End	1311
Name	OJ990602_09.0309.C80.o2.tw	Method	TBLASTX:Wheat
Start	715	End	1303
GI	none	Score	148
Exons	715..744, 758..817, 850..1302, 926..1303		

Seq. No.	39151	Seq. ID	OJ990602_09.0309.C80
Gene No.	80703	Strand	
Start	493	End	1311
Name	OJ990602_09.0309.C80.o1.tm	Method	TBLASTX:Maize
Start	817	End	1311
GI	none	Score	105
Exons	817..1311, 875..1177		

Seq. No.	39152	Seq. ID	OJ990602_09.0309.C89
Gene No.	80704	Strand	

Start	493	End	783
Name	OJ990602_09.0309.C89.o1.tw	Method	TBLASTX:Wheat
Start	493	End	783
GI	none	Score	217
Exons	493..783, 633..746		

Seq. No.	39153	Seq. ID	OJ990602_09.0309.C99
Gene No.	80705	Strand	
Start	31	End	483
Name	OJ990602_09.0309.C99.o1.tw	Method	TBLASTX:Wheat
Start	31	End	483
GI	none	Score	72
Exons	31..483, 227..334, 383..469		

Seq. No.	39153	Seq. ID	OJ990602_09.0309.C99
Gene No.	80706	Strand	
Start	460	End	844
Name	OJ990602_09.0309.C99.o1.tm	Method	TBLASTX:Maize
Start	460	End	835
GI	none	Score	64
Exons	460..573, 594..728, 596..835		

Seq. No.	39153	Seq. ID	OJ990602_09.0309.C99
Gene No.	80706	Strand	
Start	460	End	844
Name	OJ990602_09.0309.C99.o2.tw	Method	TBLASTX:Wheat
Start	505	End	844
GI	none	Score	48
Exons	505..582, 515..586, 590..844,	618..758	

Seq. No.	39153	Seq. ID	OJ990602_09.0309.C99
Gene No.	80707	Strand	
Start	840	End	1106
Name	OJ990602_09.0309.C99.o2.tm	Method	TBLASTX:Maize
Start	840	End	1106
GI	none	Score	86
Exons	840..1106, 847..987		

Seq. No.	39154	Seq. ID	OJ991103_16.0308.C2
Gene No.	80708	Strand	-
Start	63	End	748
Name	OJ991103_16.0308.C2.o1.gs	Method	GENSCAN
Start	63	End	748
GI	none	Score	.77
Exons	63..166, 607..748		

Seq. No.	39155	Seq. ID	OJ991103_16.0308.C3
Gene No.	80709	Strand	+
Start	197	End	462
Name	OJ991103_16.0308.C3.o1.gs	Method	GENSCAN
Start	197	End	462
GI	none	Score	.7
Exons	197..265, 294..336, 368..462		

Seq. No.	39155	Seq. ID	OJ991103_16.0308.C3
Gene No.	80710	Strand	-
Start	1588	End	3504

Name	OJ991103_16.0308.C3.o2.np	Method	AAT/NAP
Start	1588	End	3504
GI	5734631	Score	390
Exons	1588..1621, 3179..3504		
GI Descrip.	(AP000391) ESTs AU030224(E50782),AU077702(E50782) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone T29A15 (AL035602) [Oryza sativa]		

Seq. No.	39155	Seq. ID	OJ991103_16.0308.C3
Gene No.	80710	Strand	-
Start	1588	End	3504
Name	OJ991103_16.0308.C3.o1.np	Method	AAT/NAP
Start	2656	End	3292
GI	476550	Score	253
Exons	2656..2964, 3185..3292		
GI Descrip.	trypsin inhibitor (Bowman-Birk) - rice gi|359095|prf||1310273A trypsin inhibitor [Oryza sativa]		

Seq. No.	39155	Seq. ID	OJ991103_16.0308.C3
Gene No.	80710	Strand	-
Start	1588	End	3504
Name	OJ991103_16.0308.C3.o1.gp	Method	AAT/GAP
Start	3140	End	3452
GI	LIB3474-003-P1-K1-H9	Score	463
Exons	3140..3452		
GI Descrip.	'5734630/dbj|BAA83361.1| 5.0e-24 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F25I24 (AL049525) [Oryza sativa]'		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80711	Strand	+
Start	176	End	1491
Name	OJ991103_16.0308.C4.o1.gs	Method	GENSCAN
Start	176	End	1491
GI	none	Score	.89
Exons	176..468, 1045..1193, 1315..1491		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80712	Strand	+
Start	4542	End	20940
Name	OJ991103_16.0308.C4.o2.np	Method	AAT/NAP
Start	4542	End	5507
GI	5852182	Score	119
Exons	4542..4680, 5098..5341, 5410..5507		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80712	Strand	+
Start	4542	End	20940
Name	OJ991103_16.0308.C4.o3.np	Method	AAT/NAP
Start	5098	End	9465
GI	4680203	Score	1641
Exons	5098..5344, 5410..5991, 6025..6935, 7095..7321, 7598..8444, 9349..9465		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4

Gene No.	80712	Strand	+
Start	4542	End	20940
Name	OJ991103_16.0308.C4.o3.gs	Method	GENSCAN
Start	8811	End	17764
GI	none	Score	.59
Exons	8811..9015, 9450..9560, 9631..9747, 10963..11207, 11297..11440, 11803..11901, 12025..12378, 12534..13291, 13445..13555, 14250..14303, 15314..15766, 16673..16930, 17002..17112, 17181..17259, 17364..17456, 17579..17764		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80712	Strand	+
Start	4542	End	20940
Name	OJ991103_16.0308.C4.o4.np	Method	AAT/NAP
Start	10678	End	20940
GI	5852180	Score	512
Exons	10678..10700, 14245..14303, 15281..15399, 15451..15865, 19887..19969, 20912..20940		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80713	Strand	-
Start	14152	End	14533
Name	OJ991103_16.0308.C4.o1.gp	Method	AAT/GAP
Start	14152	End	14533
GI	uC-osflcyp033a04b1	Score	647
Exons	14152..14533		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o4.tm	Method	TBLASTX:Maize
Start	533	End	8110
GI	none	Score	65
Exons	533..619, 7820..7990, 7822..7956, 8005..8109, 8006..8110		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	6300
GI	none	Score	201
Exons	1273..1398, 5670..5969, 5789..5920, 6039..6170, 6142..6300, 6157..6285		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o2.ts	Method	TBLASTX:Soybean
Start	5688	End	5978
GI	none	Score	286
Exons	5688..5978, 5690..5899		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-

Start	18944	End	21399
Name	OJ991103_16.0308.C4.o3.tm	Method	TBLASTX:Maize
Start	5895	End	6426
GI	none	Score	73
Exons	5895..5981, 6039..6116, 6114..6158, 6145..6426, 6177..6356		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o2.tc	Method	TBLASTX:Cress
Start	6039	End	6381
GI	none	Score	86
Exons	6039..6140, 6147..6185, 6153..6374, 6160..6381, 6225..6374		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o4.tw	Method	TBLASTX:Wheat
Start	6301	End	6619
GI	none	Score	43
Exons	6301..6327, 6331..6429, 6333..6428, 6476..6568, 6581..6619		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o1.tm	Method	TBLASTX:Maize
Start	7186	End	7570
GI	none	Score	59
Exons	7186..7239, 7187..7255, 7255..7569, 7256..7570		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o1.tw	Method	TBLASTX:Wheat
Start	7211	End	8413
GI	none	Score	546
Exons	7211..7927, 7264..7764, 7976..8134, 7987..8118, 8122..8226, 8123..8227, 8243..8332, 8351..8413		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o1.tc	Method	TBLASTX:Cress
Start	7508	End	7927
GI	none	Score	304
Exons	7508..7927, 7510..7764		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o6.tw	Method	TBLASTX:Wheat
Start	11773	End	12171
GI	none	Score	148
Exons	11773..12000, 12085..12171, 12102..12170		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-

Start	18944	End	21399
Name	OJ991103_16.0308.C4.o3.tw	Method	TBLASTX:Wheat
Start	18938	End	20928
GI	none	Score	98
Exons	18938..19096, 18939..19145, 19107..19241, 19172..19246, 20630..20695, 20716..20928, 20723..20767		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o2.tm	Method	TBLASTX:Maize
Start	18941	End	21372
GI	none	Score	100
Exons	18941..19066, 18942..19055, 19125..19241, 19172..19246, 20603..20695, 20633..20695, 20705..20830, 20713..20988, 20812..20979, 20998..21120, 21124..21372, 21149..21346		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o5.np	Method	AAT/NAP
Start	18944	End	21399
GI	1353193	Score	675
Exons	18944..19240, 20633..21399		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o1.ts	Method	TBLASTX:Soybean
Start	19175	End	21366
GI	none	Score	153
Exons	19175..19219, 19220..19246, 20633..20695, 20716..20991, 20989..21075, 21112..21366		

Seq. No.	39156	Seq. ID	OJ991103_16.0308.C4
Gene No.	80714	Strand	-
Start	18944	End	21399
Name	OJ991103_16.0308.C4.o5.tw	Method	TBLASTX:Wheat
Start	21145	End	21366
GI	none	Score	149
Exons	21145..21366, 21146..21364		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80715	Strand	+
Start	6857	End	9930
Name	OJ991103_16.0308.C5.o2.gs	Method	GENSCAN
Start	6857	End	9930
GI	none	Score	.54
Exons	6857..6988, 7733..7870, 8831..8905, 9498..9697, 9807..9930		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80715	Strand	+
Start	6857	End	9930
Name	OJ991103_16.0308.C5.o5.np	Method	AAT/NAP

Start	9498	End	9822
GI	7228450	Score	179
Exons	9498..9623, 9709..9822		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80716	Strand	-
Start	450	End	6058
Name	OJ991103_16.0308.C5.o1.gs	Method	GENSCAN
Start	450	End	6049
GI	none	Score	.73
Exons	450..586, 1187..1246, 1390..1627, 1661..3606, 3906..4179, 4289..4388, 4426..4630, 4841..4877, 5529..5804, 5933..6049		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80716	Strand	-
Start	450	End	6058
Name	OJ991103_16.0308.C5.o2.np	Method	AAT/NAP
Start	2751	End	4519
GI	7523502	Score	170
Exons	2751..2821, 3859..4104, 4426..4519		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80716	Strand	-
Start	450	End	6058
Name	OJ991103_16.0308.C5.o3.np	Method	AAT/NAP
Start	5520	End	6058
GI	2282586	Score	219
Exons	5520..5804, 5933..6058		
GI Descrip.	(U82011) methyltransferase [Prunus armeniaca]		

Seq. No.	39157	Seq. ID	OJ991103_16.0308.C5
Gene No.	80717	Strand	-
Start	10130	End	10872
Name	OJ991103_16.0308.C5.o6.np	Method	AAT/NAP
Start	10130	End	10872
GI	6721508	Score	64
Exons	10130..10246, 10843..10872		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39158	Seq. ID	OJ991103_16.0308.C6
Gene No.	80718	Strand	+
Start	1	End	5783
Name	OJ991103_16.0308.C6.o1.np	Method	AAT/NAP
Start	1	End	4412
GI	4877651	Score	609
Exons	1..24, 1929..1982, 3618..4412		
GI Descrip.	(AF118843) ethylene receptor homolog [Lycopersicon esculentum]		

Seq. No.	39158	Seq. ID	OJ991103_16.0308.C6
Gene No.	80718	Strand	+
Start	1	End	5783
Name	OJ991103_16.0308.C6.o1.tc	Method	TBLASTX:Cress
Start	1920	End	4437
GI	none	Score	70
Exons	1920..2033, 3612..3671, 3810..3905, 3830..3904, 3934..4224,		

3935..4405, 4354..4437

Seq. No.	39158	Seq. ID	OJ991103_16.0308.C6
Gene No.	80718	Strand	+
Start	1	End	5783
Name	OJ991103_16.0308.C6.o1.ts	Method	TBLASTX:Soybean
Start	1920	End	4315
GI	none	Score	88
Exons	1920..2033, 3612..3671, 3759..3905, 3806..3904, 3896..3961, 3962..4315, 3979..4269		

Seq. No.	39158	Seq. ID	OJ991103_16.0308.C6
Gene No.	80718	Strand	+
Start	1	End	5783
Name	OJ991103_16.0308.C6.o2.gs	Method	GENSCAN
Start	3026	End	5783
GI	none	Score	.75
Exons	3026..3140, 3601..3900, 3912..4012, 4217..4472, 5686..5783		

Seq. No.	39158	Seq. ID	OJ991103_16.0308.C6
Gene No.	80718	Strand	+
Start	1	End	5783
Name	OJ991103_16.0308.C6.o1.tm	Method	TBLASTX:Maize
Start	3759	End	4416
GI	none	Score	59
Exons	3759..3842, 3825..3905, 3833..3904, 3896..3973, 3935..4411, 3985..4416		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80719	Strand	+
Start	170	End	538
Name	OJ991103_16.0308.C7.o1.gs	Method	GENSCAN
Start	170	End	538
GI	none	Score	.94
Exons	170..538		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80720	Strand	+
Start	519	End	963
Name	OJ991103_16.0308.C7.o1.np	Method	AAT/NAP
Start	519	End	963
GI	6069646	Score	145
Exons	519..963		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80721	Strand	+
Start	1086	End	2130
Name	OJ991103_16.0308.C7.o2.gs	Method	GENSCAN
Start	1086	End	2130
GI	none	Score	.94
Exons	1086..1267, 1709..1784, 1996..2130		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80722	Strand	+
Start	3320	End	8535
Name	OJ991103_16.0308.C7.o2.tm	Method	TBLASTX:Maize
Start	520	End	963
GI	none	Score	136
Exons	520..687, 751..963		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80722	Strand	+
Start	3320	End	8535
Name	OJ991103_16.0308.C7.o2.np	Method	AAT/NAP
Start	3275	End	5405
GI	7269396	Score	355
Exons	3275..3661, 3800..4039, 5274..5405		
GI Descrip.	(AL161563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80722	Strand	+
Start	3320	End	8535
Name	OJ991103_16.0308.C7.o3.gs	Method	GENSCAN
Start	3320	End	8535
GI	none	Score	.55
Exons	3320..3674, 3801..3988, 4662..4685, 5278..5331, 5635..5725, 6496..6596, 6730..6780, 8407..8535		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80722	Strand	+
Start	3320	End	8535
Name	OJ991103_16.0308.C7.o1.gp	Method	AAT/GAP
Start	3788	End	5716
GI	2442787	Score	689
Exons	3788..3988, 4662..4685, 5278..5379, 5635..5716		
GI Descrip.	2980804/emb|CAA18180.1| 3.0e-27 (AL022197) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39159	Seq. ID	OJ991103_16.0308.C7
Gene No.	80722	Strand	+
Start	3320	End	8535
Name	OJ991103_16.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	5250	End	6790
GI	none	Score	114
Exons	5250..5378, 5277..5420, 5323..5379, 5633..5791, 5634..5729, 6477..6617, 6494..6598, 6495..6617, 6619..6675, 6723..6779, 6730..6780, 6730..6780, 6735..6782, 6737..6790, 6737..6784		

Seq. No.	39160	Seq. ID	OJ991103_16.0308.C8
Gene No.	80723	Strand	+
Start	833	End	2836
Name	OJ991103_16.0308.C8.o1.gs	Method	GENSCAN
Start	833	End	2806
GI	none	Score	.85
Exons	833..874, 968..1211, 2668..2806		

Seq. No.	39160	Seq. ID	OJ991103_16.0308.C8
Gene No.	80723	Strand	+
Start	833	End	2836

Name	OJ991103_16.0308.C8.o1.gp	Method	AAT/GAP
Start	1156	End	2836
GI	LIB3431-041-P2-K1-F7	Score	345
Exons	1156..1211, 2668..2836		
GI Descrip.	'2980805/emb|CAA18181.1| 8.0e-62 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	39160	Seq. ID	OJ991103_16.0308.C8
Gene No.	80723	Strand	+
Start	833	End	2836
Name	OJ991103_16.0308.C8.o1.np	Method	AAT/NAP
Start	2298	End	2836
GI	7486813	Score	145
Exons	2298..2408, 2661..2836		
GI Descrip.	hypothetical protein M7J2.180 - Arabidopsis thaliana gi|2980805|emb|CAA18181.1| (AL022197) putative protein [Arabidopsis thaliana] gi|7269395|emb|CAB81355.1| (AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	39161	Seq. ID	OJ991103_16.0308.C9
Gene No.	80724	Strand	+
Start	1	End	1452
Name	OJ991103_16.0308.C9.o1.gp	Method	AAT/GAP
Start	1	End	731
GI	LIB3431-041-P2-K1-F7	Score	400
Exons	1..31, 430..564, 666..731		
GI Descrip.	'2980805/emb|CAA18181.1| 8.0e-62 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	39161	Seq. ID	OJ991103_16.0308.C9
Gene No.	80724	Strand	+
Start	1	End	1452
Name	OJ991103_16.0308.C9.o1.np	Method	AAT/NAP
Start	1	End	1452
GI	7486813	Score	289
Exons	1..31, 430..564, 666..722, 1166..1452		
GI Descrip.	hypothetical protein M7J2.180 - Arabidopsis thaliana gi|2980805|emb|CAA18181.1| (AL022197) putative protein [Arabidopsis thaliana] gi|7269395|emb|CAB81355.1| (AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	39161	Seq. ID	OJ991103_16.0308.C9
Gene No.	80724	Strand	+
Start	1	End	1452
Name	OJ991103_16.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	425	End	719
GI	none	Score	227
Exons	425..565, 427..564, 427..597, 663..716, 666..719		

Seq. No.	39161	Seq. ID	OJ991103_16.0308.C9
Gene No.	80724	Strand	+
Start	1	End	1452
Name	OJ991103_16.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	430	End	1222
GI	none	Score	147
Exons	430..546, 432..512, 663..746, 666..746, 1163..1222		

Seq. No.	39161	Seq. ID	OJ991103_16.0308.C9
Gene No.	80724	Strand	+
Start	1	End	1452
Name	OJ991103_16.0308.C9.o1.gs	Method	GENSCAN
Start	449	End	1222
GI	none	Score	.86
Exons	449..564, 666..722, 1166..1222		

Seq. No.	39162	Seq. ID	OJ991103_16.0308.C10
Gene No.	80725	Strand	+
Start	77	End	1584
Name	OJ991103_16.0308.C10.o1.np	Method	AAT/NAP
Start	77	End	1584
GI	6539588	Score	188
Exons	77..385, 1518..1584		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39162	Seq. ID	OJ991103_16.0308.C10
Gene No.	80725	Strand	+
Start	77	End	1584
Name	OJ991103_16.0308.C10.o1.gs	Method	GENSCAN
Start	104	End	787
GI	none	Score	.47
Exons	104..349, 572..787		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80726	Strand	+
Start	1129	End	5529
Name	OJ991103_16.0308.C12.o1.gs	Method	GENSCAN
Start	1129	End	5529
GI	none	Score	.96
Exons	1129..1305, 2560..3377, 3541..3860, 3943..4301, 4379..4566, 4641..4830, 5080..5295, 5375..5529		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80726	Strand	+
Start	1129	End	5529
Name	OJ991103_16.0308.C12.o1.np	Method	AAT/NAP
Start	2598	End	5517
GI	6691716	Score	2453
Exons	2598..3483, 3682..3860, 3943..4045, 4122..4301, 4379..4566, 4641..4742, 4892..5006, 5080..5517		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80727	Strand	+
Start	12526	End	13262
Name	OJ991103_16.0308.C12.o1.gp	Method	AAT/GAP
Start	12526	End	13262
GI	101153_1.R1084	Score	688
Exons	12526..12709, 13032..13262		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12

Gene No.	80728	Strand	+
Start	14238	End	14501
Name	OJ991103_16.0308.C12.o2.gp	Method	AAT/GAP
Start	14238	End	14501
GI	61605_3.R1084	Score	399
Exons	14238..14501		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80729	Strand	+
Start	24895	End	35431
Name	OJ991103_16.0308.C12.o3.np	Method	AAT/NAP
Start	24895	End	29160
GI	6648206	Score	180
Exons	24895..24962, 26431..26536, 28688..28786, 28888..29160		
GI Descrip.	(AC013483) putative GTPase activating protein [Arabidopsis thaliana]		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80729	Strand	+
Start	24895	End	35431
Name	OJ991103_16.0308.C12.o5.gs	Method	GENSCAN
Start	26405	End	35431
GI	none	Score	.6
Exons	26405..26536, 28688..28786, 28885..29200, 30335..30454, 30489..30813, 30951..31017, 31731..31916, 32172..32315, 33122..33253, 35018..35431		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80729	Strand	+
Start	24895	End	35431
Name	OJ991103_16.0308.C12.o4.np	Method	AAT/NAP
Start	30191	End	33262
GI	6850887	Score	188
Exons	30191..30229, 32009..32066, 32172..32315, 33122..33262		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80730	Strand	+
Start	35863	End	37734
Name	OJ991103_16.0308.C12.o6.gs	Method	GENSCAN
Start	35863	End	37734
GI	none	Score	.4
Exons	35863..35951, 37211..37349, 37633..37734		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80731	Strand	+
Start	40082	End	41591
Name	OJ991103_16.0308.C12.o7.gs	Method	GENSCAN
Start	40082	End	41562
GI	none	Score	.7
Exons	40082..40678, 40768..40890, 41314..41562		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80731	Strand	+
Start	40082	End	41591

Name	OJ991103_16.0308.C12.o5.np	Method	AAT/NAP
Start	40106	End	41591
GI	2282586	Score	574
Exons	40106..40890, 41314..41591		
GI Descrip.	(U82011) methyltransferase [Prunus armeniaca]		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80732	Strand	+
Start	45035	End	45245
Name	OJ991103_16.0308.C12.o7.np	Method	AAT/NAP
Start	45035	End	45245
GI	6630696	Score	324
Exons	45035..45245		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80733	Strand	-
Start	5860	End	14907
Name	OJ991103_16.0308.C12.o2.gs	Method	GENSCAN
Start	5860	End	9330
GI	none	Score	.55
Exons	5860..6183, 6334..6673, 6691..6766, 6786..7310, 7413..7716, 7903..8941, 9038..9330		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80733	Strand	-
Start	5860	End	14907
Name	OJ991103_16.0308.C12.o2.np	Method	AAT/NAP
Start	5896	End	14907
GI	5922631	Score	6647
Exons	5896..8423, 9030..9956, 10083..10233, 10276..10840, 10886..11093, 11352..11596, 14783..14907		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80733	Strand	-
Start	5860	End	14907
Name	OJ991103_16.0308.C12.o3.gs	Method	GENSCAN
Start	9721	End	14907
GI	none	Score	.86
Exons	9721..10840, 10871..11555, 12489..12800, 13604..13686, 14426..14907		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o10.tw	Method	TBLASTX:Wheat
Start	2718	End	3008
GI	none	Score	213

Exons 2718..3008

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o4.tw	Method	TBLASTX:Wheat
Start	5872	End	6486
GI	none	Score	84
Exons	5872..6003, 5995..6486, 6197..6325, 6380..6466		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o5.tm	Method	TBLASTX:Maize
Start	5911	End	6165
GI	none	Score	97
Exons	5911..6012, 5912..6013, 5992..6165, 5993..6067		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o6.tm	Method	TBLASTX:Maize
Start	6256	End	6529
GI	none	Score	48
Exons	6256..6342, 6352..6435, 6380..6439, 6422..6529, 6430..6528		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o3.tw	Method	TBLASTX:Wheat
Start	6599	End	6988
GI	none	Score	173
Exons	6599..6988, 6601..6987		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o1.tm	Method	TBLASTX:Maize
Start	6670	End	6987
GI	none	Score	232
Exons	6670..6987, 6671..6973		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o12.tw	Method	TBLASTX:Wheat
Start	6991	End	7290
GI	none	Score	134
Exons	6991..7089, 7132..7290		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o5.tw	Method	TBLASTX:Wheat
Start	7306	End	7728
GI	none	Score	217
Exons	7306..7728, 7382..7723		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o2.ts	Method	TBLASTX:Soybean
Start	7349	End	7737
GI	none	Score	121
Exons	7349..7597, 7351..7593, 7633..7737		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o7.tm	Method	TBLASTX:Maize
Start	7402	End	7674
GI	none	Score	122
Exons	7402..7500, 7504..7674		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o8.tw	Method	TBLASTX:Wheat
Start	7729	End	8013
GI	none	Score	52
Exons	7729..7824, 7732..8013, 7906..8004		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o2.tm	Method	TBLASTX:Maize
Start	7876	End	8296
GI	none	Score	140
Exons	7876..8019, 8038..8295, 8041..8295, 8042..8296		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o1.ts	Method	TBLASTX:Soybean
Start	7963	End	8394
GI	none	Score	49
Exons	7963..8394, 7997..8167, 8204..8347		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o2.tw	Method	TBLASTX:Wheat
Start	8018	End	8442
GI	none	Score	274
Exons	8018..8398, 8023..8442		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o3.tm	Method	TBLASTX:Maize
Start	8527	End	8883
GI	none	Score	192
Exons	8527..8883, 8537..8842		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o1.tw	Method	TBLASTX:Wheat
Start	8558	End	9013
GI	none	Score	263
Exons	8558..9013, 8560..9012		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o3.ts	Method	TBLASTX:Soybean
Start	8608	End	8973
GI	none	Score	138
Exons	8608..8742, 8749..8973		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o6.tw	Method	TBLASTX:Wheat
Start	9016	End	9690
GI	none	Score	145
Exons	9016..9186, 9233..9469, 9235..9465, 9514..9690		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o7.tw	Method	TBLASTX:Wheat
Start	10270	End	10672
GI	none	Score	98
Exons	10270..10671, 10403..10672		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o11.tw	Method	TBLASTX:Wheat
Start	40078	End	40351
GI	none	Score	191
Exons	40078..40350, 40085..40351		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o4.tm	Method	TBLASTX:Maize
Start	40121	End	41588
GI	none	Score	193
Exons	40121..40351, 40180..40347, 40385..40417, 40426..40671, 40484..40672, 40752..40808, 40753..40815, 40828..40890, 41308..41487, 41379..41432, 41495..41584, 41496..41588		

Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o6.np	Method	AAT/NAP
Start	42465	End	42819
GI	4960150	Score	99
Exons	42465..42640, 42725..42819		

GI Descrip.	(AF153277) DNA-directed RNA polymerase IIa [Nicotiana tabacum] gi|4960152|gb|AAD34614.1|AF153278_1 (AF153278) DNA-directed RNA polymerase IIb [Nicotiana tabacum]		
Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80734	Strand	-
Start	42505	End	44684
Name	OJ991103_16.0308.C12.o8.gs	Method	GENSCAN
Start	42505	End	44684
GI	none	Score	.7
Exons	42505..42640, 42725..42853, 43876..44084, 44107..44397, 44445..44597, 44667..44684		
Seq. No.	39163	Seq. ID	OJ991103_16.0308.C12
Gene No.	80735	Strand	
Start	44927	End	45244
Name	OJ991103_16.0308.C12.o9.tw	Method	TBLASTX:Wheat
Start	44927	End	45244
GI	none	Score	130
Exons	44927..45067, 44930..45064, 45034..45243, 45041..45244		
Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80736	Strand	+
Start	1	End	4558
Name	OJ991103_16.0308.C13.o1.gp	Method	AAT/GAP
Start	1	End	620
GI	101595_1.R1084	Score	855
Exons	1..430, 546..620		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80736	Strand	+
Start	1	End	4558
Name	OJ991103_16.0308.C13.o1.np	Method	AAT/NAP
Start	1	End	4558
GI	6630696	Score	5735
Exons	1..2629, 3730..4558		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80736	Strand	+
Start	1	End	4558
Name	OJ991103_16.0308.C13.o1.gs	Method	GENSCAN
Start	210	End	694
GI	none	Score	.72
Exons	210..435, 546..694		
Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80736	Strand	+
Start	1	End	4558
Name	OJ991103_16.0308.C13.o2.gs	Method	GENSCAN
Start	1673	End	2707
GI	none	Score	.99
Exons	1673..2707		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80737	Strand	+
Start	16130	End	16682
Name	OJ991103_16.0308.C13.o6.gs	Method	GENSCAN
Start	16130	End	16682
GI	none	Score	.92
Exons	16130..16524, 16673..16682		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80738	Strand	+
Start	24395	End	25472
Name	OJ991103_16.0308.C13.o3.np	Method	AAT/NAP
Start	24328	End	25472
GI	7487667	Score	343
Exons	24328..24869, 25404..25472		
GI Descrip.	hypothetical protein T5C23.110 - Arabidopsis thaliana gi|4539459|emb|CAB39939.1| (AL049500) putative protein [Arabidopsis thaliana] gi|7267868|emb|CAB78211.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80738	Strand	+
Start	24395	End	25472
Name	OJ991103_16.0308.C13.o3.gp	Method	AAT/GAP
Start	24341	End	24816
GI	uC-osroM202036c10b1	Score	915
Exons	24341..24816		
GI Descrip.	'4539459/emb|CAB39939.1| 6.0e-22 (AL049500) putative protein [Arabidopsis thaliana]'		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80738	Strand	+
Start	24395	End	25472
Name	OJ991103_16.0308.C13.o8.gs	Method	GENSCAN
Start	24395	End	24891
GI	none	Score	.6
Exons	24395..24891		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80739	Strand	-
Start	2757	End	8099
Name	OJ991103_16.0308.C13.o3.gs	Method	GENSCAN
Start	2757	End	8099
GI	none	Score	.41
Exons	2757..2994, 3273..3379, 4069..4203, 4237..4332, 5519..5681, 7074..7166, 7861..8099		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o1.tm	Method	TBLASTX:Maize
Start	561	End	905
GI	none	Score	378
Exons	561..833, 562..834, 563..835, 563..835, 864..905		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13

Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o4.tw	Method	TBLASTX:Wheat
Start	1123	End	1314
GI	none	Score	151
Exons	1123..1218, 1124..1237, 1196..1288, 1211..1288, 1218..1313, 1219..1314, 1219..1314		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o4.tm	Method	TBLASTX:Maize
Start	1251	End	1569
GI	none	Score	212
Exons	1251..1310, 1252..1488, 1341..1484, 1491..1568, 1498..1569		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o2.ts	Method	TBLASTX:Soybean
Start	1267	End	1488
GI	none	Score	203
Exons	1267..1488, 1269..1484		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o1.tw	Method	TBLASTX:Wheat
Start	1315	End	2047
GI	none	Score	417
Exons	1315..1623, 1323..1625, 1622..2047, 1622..1765, 1627..1797, 1629..2042, 1858..2043		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o1.ts	Method	TBLASTX:Soybean
Start	1967	End	2431
GI	5509260	Score	394
Exons	1967..2431, 2062..2283		
GI Descrip.	-		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o1.tc	Method	TBLASTX:Cress
Start	2060	End	2320
GI	none	Score	294
Exons	2060..2320, 2060..2191, 2061..2201, 2062..2232		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o2.tm	Method	TBLASTX:Maize
Start	2101	End	2566
GI	none	Score	364
Exons	2101..2280, 2102..2566, 2353..2463		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o3.tw	Method	TBLASTX:Wheat
Start	2102	End	2644
GI	none	Score	321
Exons	2102..2446, 2119..2283, 2438..2644		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o3.tm	Method	TBLASTX:Maize
Start	3727	End	4090
GI	none	Score	266
Exons	3727..4029, 3750..4028, 3757..4029, 3851..4045, 3852..4037, 4024..4089, 4037..4090		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o4.ts	Method	TBLASTX:Soybean
Start	3943	End	4309
GI	none	Score	76
Exons	3943..4038, 4085..4309		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o2.tw	Method	TBLASTX:Wheat
Start	3955	End	4422
GI	none	Score	89
Exons	3955..4029, 3956..4015, 3960..4028, 4037..4420, 4039..4422, 4042..4422		

Seq. No.	39164	Seq. ID	OJ991103_16.0308:C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o2.gp	Method	AAT/GAP
Start	11289	End	14768
GI	11194_1.R1084	Score	1357
Exons	11289..11627, 11721..11788, 13111..13162, 13256..13425, 13510..13543, 14614..14768		
GI Descrip.	'4960150/gb|AAD34613.1|AF153277_1 9.0e-40 (AF153277) DNA-directed RNA polymerase IIa [Nicotiana tabacum] >gi_4960152_gb_AAD34614.1_AF153278_1 (AF153278) DNA-directed RNA polymerase IIb [Nicotiana tabacum]'		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o3.tc	Method	TBLASTX:Cress
Start	11482	End	13377
GI	none	Score	58
Exons	11482..11628, 11564..11656, 11715..11789, 11723..11791, 13099..13173, 13110..13193, 13111..13164, 13142..13165, 13256..13333, 13258..13350, 13261..13377		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o6.tm	Method	TBLASTX:Maize
Start	11547	End	14651
GI	none	Score	39
Exons	11547..11627, 11549..11656, 11550..11588, 11567..11629, 11718..11789, 11721..11789, 11723..11791, 13099..13173, 13111..13164, 13256..13339, 13257..13346, 13258..13356, 13258..13353, 13401..13427, 13507..13545, 13510..13542, 14595..14651		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o5.gs	Method	GENSCAN
Start	11558	End	15437
GI	none	Score	.54
Exons	11558..11627, 11721..11849, 12420..12539, 13256..13425, 13510..13543, 15310..15437		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o2.np	Method	AAT/NAP
Start	11561	End	14648
GI	4544434	Score	397
Exons	11561..11627, 11721..11788, 13111..13162, 13256..13425, 13510..13543, 14614..14648		
GI Descrip.	(AC006955) putative DNA-directed RNA polymerase II subunit [Arabidopsis thaliana]		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o3.ts	Method	TBLASTX:Soybean
Start	11564	End	14651
GI	none	Score	81
Exons	11564..11656, 11567..11653, 11691..11789, 11723..11797, 11723..11791, 13099..13173, 13111..13161, 13256..13333, 13258..13353, 13510..13542, 14595..14651		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80740	Strand	-
Start	11558	End	15437
Name	OJ991103_16.0308.C13.o5.tw	Method	TBLASTX:Wheat
Start	11582	End	13545
GI	none	Score	61
Exons	11582..11629, 11582..11656, 11715..11789, 11721..11789, 11723..11794, 11723..11791, 13099..13173, 13110..13178, 13111..13164, 13256..13339, 13257..13346, 13257..13352, 13258..13356, 13258..13353, 13333..13380, 13507..13545		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80741	Strand	
Start	24557	End	24816

Name	OJ991103_16.0308.C13.o5.tm	Method	TBLASTX:Maize
Start	24557	End	24760
GI	none	Score	222
Exons	24557..24760, 24577..24756		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80741	Strand	
Start	24557	End	24816
Name	OJ991103_16.0308.C13.o2.tc	Method	TBLASTX:Cress
Start	24560	End	24816
GI	none	Score	142
Exons	24560..24667, 24577..24816, 24728..24814		

Seq. No.	39164	Seq. ID	OJ991103_16.0308.C13
Gene No.	80741	Strand	
Start	24557	End	24816
Name	OJ991103_16.0308.C13.o5.ts	Method	TBLASTX:Soybean
Start	24572	End	24814
GI	none	Score	119
Exons	24572..24667, 24577..24813, 24728..24814		

Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80742	Strand	+
Start	1	End	3308
Name	OJ991103_16.0308.C14.o1.np	Method	AAT/NAP
Start	1	End	2387
GI	7487667	Score	507
Exons	1..235, 804..1055, 2220..2387		
GI Descrip.	hypothetical protein T5C23.110 - Arabidopsis thaliana gi|4539459|emb|CAB39939.1| (AL049500) putative protein [Arabidopsis thaliana] gi|7267868|emb|CAB78211.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80742	Strand	+
Start	1	End	3308
Name	OJ991103_16.0308.C14.o1.gs	Method	GENSCAN
Start	103	End	3308
GI	none	Score	.66
Exons	103..235, 801..968, 2226..2390, 3117..3308		

Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80742	Strand	+
Start	1	End	3308
Name	OJ991103_16.0308.C14.o1.gp	Method	AAT/GAP
Start	2202	End	2776
GI	11646_1.R1084	Score	1052
Exons	2202..2776		
GI Descrip.	'4539459/emb|CAB39939.1| 2.0e-17 (AL049500) putative protein [Arabidopsis thaliana]'		

Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80743	Strand	-
Start	3114	End	4751
Name	OJ991103_16.0308.C14.o2.np	Method	AAT/NAP
Start	3114	End	4751
GI	6850887	Score	180

Exons	3114..3254, 4456..4599, 4709..4751		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o2.tm	Method	TBLASTX:Maize
Start	95	End	2411
GI	none	Score	40
Exons	95..235, 96..137, 170..235, 783..968, 798..965, 799..966, 800..970, 2202..2411, 2214..2396, 2230..2397		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o1.tc	Method	TBLASTX:Cress
Start	103	End	2372
GI	none	Score	112
Exons	103..276, 170..235, 172..237, 801..968, 803..970, 2154..2372, 2225..2368		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o1.ts	Method	TBLASTX:Soybean
Start	131	End	2375
GI	none	Score	106
Exons	131..238, 170..235, 792..968, 803..970, 2196..2375, 2225..2374		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o3.gs	Method	GENSCAN
Start	6904	End	14055
GI	none	Score	.68
Exons	6904..7306, 7921..8036, 8943..9049, 10590..10788, 11454..11530, 11651..11766, 12002..12150, 13411..14055		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o1.tm	Method	TBLASTX:Maize
Start	10489	End	14187
GI	none	Score	92
Exons	10489..10794, 10490..10603, 10673..10789, 13352..13474, 13411..13473, 13492..13629, 13496..13615, 13636..13710, 13636..13776, 13745..13777, 13789..13875, 13894..13929, 13936..14187, 13961..14005, 13994..14134		
Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o2.ts	Method	TBLASTX:Soybean
Start	10489	End	13956
GI	none	Score	87
Exons	10489..10623, 10493..10603, 10699..10794, 10700..10789, 13411..13485, 13501..13629, 13663..13782, 13885..13956		

Seq. No.	39165	Seq. ID	OJ991103_16.0308.C14
Gene No.	80744	Strand	-
Start	6904	End	14214
Name	OJ991103_16.0308.C14.o3.np	Method	AAT/NAP
Start	10492	End	14214
GI	1353193	Score	656
Exons	10492..10788, 13411..14214		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	39166	Seq. ID	OJ991103_16.0308.C15
Gene No.	80745	Strand	+
Start	852	End	1387
Name	OJ991103_16.0308.C15.o1.np	Method	AAT/NAP
Start	852	End	1387
GI	7228450	Score	118
Exons	852..937, 1050..1187, 1279..1387		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39166	Seq. ID	OJ991103_16.0308.C15
Gene No.	80745	Strand	+
Start	852	End	1387
Name	OJ991103_16.0308.C15.o1.gs	Method	GENSCAN
Start	1098	End	1292
GI	none	Score	.51
Exons	1098..1292		

Seq. No.	39167	Seq. ID	OJ991013_07.0317.C1
Gene No.	80746	Strand	-
Start	1	End	5956
Name	OJ991013_07.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	3643
GI	7485534	Score	143
Exons	1..100, 971..1078, 2171..2257, 2328..2458, 3586..3643		
GI Descrip.	hypothetical protein F16A16.200 - Arabidopsis thaliana (fragment) gi|4218129|emb|CAA22983.1| (AL035353) hypothetical protein [Arabidopsis thaliana] gi|7269724|emb|CAB81457.1| (AL161573) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39167	Seq. ID	OJ991013_07.0317.C1
Gene No.	80746	Strand	-
Start	1	End	5956
Name	OJ991013_07.0317.C1.o1.gs	Method	GENSCAN
Start	160	End	5956
GI	none	Score	.52
Exons	160..272, 293..420, 942..1078, 2171..2257, 2328..2540, 3794..3823, 5882..5956		

Seq. No.	39168	Seq. ID	OJ991013_07.0317.C4
Gene No.	80747	Strand	-
Start	1	End	736
Name	OJ991013_07.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6815052	Score	292
Exons	1..35, 202..307, 604..736		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	39169	Seq. ID	OJ991013_07.0317.C7
Gene No.	80748	Strand	-
Start	1	End	766
Name	OJ991013_07.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	766
GI	6907086	Score	638
Exons	1..431, 489..766		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39169	Seq. ID	OJ991013_07.0317.C7
Gene No.	80748	Strand	-
Start	1	End	766
Name	OJ991013_07.0317.C7.o1.gs	Method	GENSCAN
Start	506	End	613
GI	none	Score	.91
Exons	506..613		

Seq. No.	39170	Seq. ID	OJ991013_07.0317.C8
Gene No.	80749	Strand	+
Start	1040	End	1532
Name	OJ991013_07.0317.C8.o1.np	Method	AAT/NAP
Start	1040	End	1532
GI	7339719	Score	93
Exons	1040..1143, 1402..1532		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	39171	Seq. ID	OJ991013_07.0317.C9
Gene No.	80750	Strand	+
Start	2444	End	3886
Name	OJ991013_07.0317.C9.o1.np	Method	AAT/NAP
Start	2444	End	3886
GI	6907088	Score	1081
Exons	2444..2581, 2757..2994, 3489..3886		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39171	Seq. ID	OJ991013_07.0317.C9
Gene No.	80751	Strand	-
Start	572	End	3692
Name	OJ991013_07.0317.C9.o1.gs	Method	GENSCAN
Start	572	End	3692
GI	none	Score	.78
Exons	572..779, 2896..2971, 3620..3692		

Seq. No.	39171	Seq. ID	OJ991013_07.0317.C9
Gene No.	80751	Strand	-
Start	572	End	3692
Name	OJ991013_07.0317.C9.o1.gp	Method	AAT/GAP
Start	1601	End	2125
GI	38782_1.R1084	Score	810
Exons	1601..2125		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80752	Strand	+

Start	8389	End	11973
Name	OJ991013_07.0317.C10.o3.np	Method	AAT/NAP
Start	7637	End	8901
GI	6907086	Score	720
Exons	7637..7772, 7830..8091, 8318..8365, 8489..8658, 8710..8901		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80752	Strand	+
Start	8389	End	11973
Name	OJ991013_07.0317.C10.o2.gs	Method	GENSCAN
Start	8389	End	11973
GI	none	Score	.43
Exons	8389..8444, 9447..9538, 10069..10195, 10836..10913, 11095..11167, 11267..11356, 11603..11797, 11887..11973		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80752	Strand	+
Start	8389	End	11973
Name	OJ991013_07.0317.C10.o6.np	Method	AAT/NAP
Start	11181	End	11656
GI	5042454	Score	235
Exons	11181..11356, 11603..11656		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80753	Strand	+
Start	12634	End	13227
Name	OJ991013_07.0317.C10.o3.gs	Method	GENSCAN
Start	12634	End	13227
GI	none	Score	.9
Exons	12634..13227		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80754	Strand	+
Start	13701	End	13761
Name	OJ991013_07.0317.C10.o3.gp	Method	AAT/GAP
Start	13701	End	13761
GI	LIB3477-003-P1-K1-E9	Score	69
Exons	13701..13761		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80755	Strand	+
Start	31269	End	31472
Name	OJ991013_07.0317.C10.o5.gp	Method	AAT/GAP
Start	31269	End	31472
GI	uC-osflcyp149h08a1	Score	329
Exons	31269..31472		
GI Descrip.	'4582430/gb|AAD24816.1|AC007196_2 1.0e-26 (AC007196) nonsense-mediated mRNA decay protein [Arabidopsis thaliana]'		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80756	Strand	-
Start	127	End	7308

Name	OJ991013_07.0317.C10.o1.np	Method	AAT/NAP
Start	127	End	7016
GI	5257279	Score	3570
Exons	127..351, 1079..1675, 1790..1952, 2169..4238, 4284..4996, 6977..7016		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80756	Strand	-
Start	127	End	7308
Name	OJ991013_07.0317.C10.o2.np	Method	AAT/NAP
Start	5736	End	6517
GI	6002794	Score	1225
Exons	5736..6517		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80756	Strand	-
Start	127	End	7308
Name	OJ991013_07.0317.C10.o1.gp	Method	AAT/GAP
Start	6814	End	7308
GI	38782_1.R1084	Score	820
Exons	6814..7308		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80757	Strand	-
Start	9215	End	9967
Name	OJ991013_07.0317.C10.o4.np	Method	AAT/NAP
Start	9215	End	9967
GI	4680183	Score	155
Exons	9215..9290, 9897..9967		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80758	Strand	-
Start	10761	End	10888
Name	OJ991013_07.0317.C10.o5.np	Method	AAT/NAP
Start	10761	End	10888
GI	7523512	Score	122
Exons	10761..10888		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80759	Strand	-
Start	13964	End	20077
Name	OJ991013_07.0317.C10.o4.gs	Method	GENSCAN
Start	13964	End	20077
GI	none	Score	.67
Exons	13964..14037, 14161..14299, 14408..14524, 14582..14651, 15793..15862, 16074..16236, 16356..16388, 16704..17357, 17584..17708, 18120..18401, 18448..18482, 19430..19666, 19962..20077		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10

Gene No.	80760	Strand	-
Start	23490	End	25888
Name	OJ991013_07.0317.C10.o5.gs	Method	GENSCAN
Start	23490	End	25768
GI	none	Score	.8
Exons	23490..23532, 24253..24464, 24689..24907, 25001..25153, 25709..25768		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80760	Strand	-
Start	23490	End	25888
Name	OJ991013_07.0317.C10.o4.gp	Method	AAT/GAP
Start	23869	End	25888
GI	16449_1.R1084	Score	2751
Exons	23869..24907, 25001..25242, 25709..25888		
GI Descrip.	'2894599/emb|CAA17133.1| 1.0e-43 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80760	Strand	-
Start	23490	End	25888
Name	OJ991013_07.0317.C10.o7.np	Method	AAT/NAP
Start	24449	End	25193
GI	6714272	Score	482
Exons	24449..24907, 25001..25193		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o5.tw	Method	TBLASTX:Wheat
Start	714	End	1047
GI	none	Score	104
Exons	714..1046, 735..884, 778..1047		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o10.tm	Method	TBLASTX:Maize
Start	729	End	887
GI	none	Score	193
Exons	729..887		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	897	End	1494
GI	none	Score	69
Exons	897..992, 897..1334, 907..1116, 1065..1334, 1192..1335, 1269..1490, 1339..1485, 1341..1493, 1342..1494		

Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o1.tw	Method	TBLASTX:Wheat
Start	1047	End	1673

GI	none	Score	246
Exons	1047..1673, 1189..1617		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o4.tm	Method	TBLASTX:Maize
Start	1542	End	1832
GI	none	Score	230
Exons	1542..1832, 1546..1821		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o2.ts	Method	TBLASTX:Soybean
Start	1632	End	1887
GI	none	Score	67
Exons	1632..1760, 1632..1880, 1633..1887		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o2.tc	Method	TBLASTX:Cress
Start	1656	End	1973
GI	none	Score	101
Exons	1656..1799, 1672..1797, 1800..1973, 1854..1952		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o3.tw	Method	TBLASTX:Wheat
Start	1680	End	2204
GI	none	Score	266
Exons	1680..2204, 1684..2052		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o2.tm	Method	TBLASTX:Maize
Start	2240	End	2600
GI	none	Score	234
Exons	2240..2599, 2247..2600, 2248..2598		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o2.tw	Method	TBLASTX:Wheat
Start	2247	End	2673
GI	none	Score	294
Exons	2247..2672, 2248..2673		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o5.ts	Method	TBLASTX:Soybean
Start	2421	End	2666
GI	none	Score	213

Exons	2421..2666		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o6.tm	Method	TBLASTX:Maize
Start	2607	End	2954
GI	none	Score	65
Exons	2607..2954, 2752..2886		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o6.tw	Method	TBLASTX:Wheat
Start	2679	End	2975
GI	none	Score	171
Exons	2679..2975, 2716..2931		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	2688	End	3083
GI	none	Score	141
Exons	2688..3047, 2716..2931, 2739..3047, 2971..3066, 3051..3083, 3051..3083		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o3.tm	Method	TBLASTX:Maize
Start	2970	End	3437
GI	none	Score	93
Exons	2970..3437, 3189..3365, 3193..3366		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o4.tw	Method	TBLASTX:Wheat
Start	3024	End	3507
GI	none	Score	167
Exons	3024..3506, 3033..3479, 3052..3507		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o9.tm	Method	TBLASTX:Maize
Start	3438	End	3635
GI	none	Score	156
Exons	3438..3635, 3439..3585		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o7.tw	Method	TBLASTX:Wheat
Start	3648	End	4052
GI	none	Score	84

Exons	3648..3818, 3703..3822, 3831..4052, 3898..4008, 3999..4052		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o8.tm	Method	TBLASTX:Maize
Start	3735	End	4058
GI	none	Score	200
Exons	3735..4058		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o7.tm	Method	TBLASTX:Maize
Start	4368	End	4754
GI	none	Score	226
Exons	4368..4754		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o9.tw	Method	TBLASTX:Wheat
Start	4650	End	5027
GI	none	Score	166
Exons	4650..4754, 4824..5027		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o4.ts	Method	TBLASTX:Soybean
Start	12930	End	13155
GI	none	Score	226
Exons	12930..13127, 12931..13155		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o11.tm	Method	TBLASTX:Maize
Start	12942	End	13182
GI	none	Score	189
Exons	12942..13127, 12991..13182		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o3.ts	Method	TBLASTX:Soybean
Start	24440	End	25191
GI	none	Score	109
Exons	24440..24505, 24674..24760, 24764..24913, 24765..24899, 25114..25191, 25121..25189		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o5.tm	Method	TBLASTX:Maize
Start	24446	End	25203
GI	none	Score	155

Exons	24446..24505, 24680..24760, 24764..24913, 24765..24908, 24987..25025, 24998..25024, 25109..25189, 25114..25203		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	24680	End	25189
GI	none	Score	118
Exons	24680..24760, 24758..24913, 24765..24899, 24998..25024, 25109..25189, 25114..25188		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o8.tw	Method	TBLASTX:Wheat
Start	24782	End	25203
GI	none	Score	134
Exons	24782..24913, 24786..24899, 24967..24984, 25002..25025, 25114..25203, 25117..25176, 25124..25189		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o8.np	Method	AAT/NAP
Start	27661	End	31825
GI	7487780	Score	129
Exons	27661..27697, 31591..31698, 31771..31825		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]		
Seq. No.	39172	Seq. ID	OJ991013_07.0317.C10
Gene No.	80761	Strand	-
Start	28462	End	31825
Name	OJ991013_07.0317.C10.o6.gs	Method	GENSCAN
Start	28462	End	31698
GI	none	Score	.56
Exons	28462..28520, 29480..29522, 30938..31004, 31595..31698		
Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.gp	Method	AAT/GAP
Start	1	End	314
GI	1631820	Score	228
Exons	1..33, 222..314		
GI Descrip.	2894598/emb|CAA17132.1| 1.0e-24 (AL021889) putative protein [Arabidopsis thaliana]		
Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	1629
GI	7487780	Score	559

Exons	1..33, 222..651, 1442..1629
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]

Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	1572
GI	none	Score	57
Exons	1..36, 2..40, 219..653, 222..653, 223..654, 1414..1563, 1439..1561, 1441..1572		

Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.gs	Method	GENSCAN
Start	222	End	1560
GI	none	Score	.79
Exons	222..651, 1442..1560		

Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.ts	Method	TBLASTX:Soybean
Start	222	End	636
GI	none	Score	203
Exons	222..272, 273..434, 453..635, 454..636		

Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o1.tc	Method	TBLASTX:Cress
Start	433	End	1563
GI	none	Score	220
Exons	433..654, 456..653, 509..658, 1439..1555, 1441..1563, 1441..1563		

Seq. No.	39173	Seq. ID	OJ991013_07.0317.C11
Gene No.	80762	Strand	-
Start	1	End	1629
Name	OJ991013_07.0317.C11.o2.ts	Method	TBLASTX:Soybean
Start	1439	End	1563
GI	none	Score	144
Exons	1439..1561, 1441..1563, 1441..1563		

Seq. No.	39174	Seq. ID	OJ991013_07.0317.C12
Gene No.	80763	Strand	-
Start	1493	End	6107
Name	OJ991013_07.0317.C12.o1.gs	Method	GENSCAN
Start	1493	End	6080
GI	none	Score	.6
Exons	1493..1506, 4378..4456, 5886..6080		

Seq. No.	39174	Seq. ID	OJ991013_07.0317.C12
Gene No.	80763	Strand	-

Start	1493	End	6107
Name	OJ991013_07.0317.C12.o1.np	Method	AAT/NAP
Start	3485	End	6107
GI	4539658	Score	84
Exons	3485..3562, 5952..6107		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39174	Seq. ID	OJ991013_07.0317.C12
Gene No.	80763	Strand	-
Start	1493	End	6107
Name	OJ991013_07.0317.C12.o1.gp	Method	AAT/GAP
Start	5258	End	5388
GI	LIB3475-004-P1-K2-A5	Score	175
Exons	5258..5388		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	39174	Seq. ID	OJ991013_07.0317.C12
Gene No.	80763	Strand	-
Start	1493	End	6107
Name	OJ991013_07.0317.C12.o2.gp	Method	AAT/GAP
Start	5703	End	5826
GI	LIB3475-004-P1-K2-A5	Score	166
Exons	5703..5826		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80764	Strand	+
Start	1186	End	2142
Name	OJ991013_07.0317.C13.o1.gs	Method	GENSCAN
Start	1186	End	2142
GI	none	Score	.49
Exons	1186..1257, 1513..2142		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80765	Strand	+
Start	5982	End	8072
Name	OJ991013_07.0317.C13.o1.np	Method	AAT/NAP
Start	5982	End	8072
GI	4321762	Score	2639
Exons	5982..6122, 6154..8072		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80766	Strand	-
Start	2601	End	5210
Name	OJ991013_07.0317.C13.o2.gs	Method	GENSCAN
Start	2601	End	5210
GI	none	Score	.77
Exons	2601..2702, 3151..3222, 4124..4176, 4439..4553, 5130..5210		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o1.ts	Method	TBLASTX:Soybean

Start	5976	End	7751
GI	none	Score	96
Exons	5976..6038, 6164..6274, 6165..6281, 6327..6407, 6464..6559, 6465..6548, 6561..6719, 6575..6676, 6876..6932, 7020..7052, 7092..7124, 7323..7394, 7407..7427, 7530..7751, 7535..7669		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o4.tm	Method	TBLASTX:Maize
Start	5987	End	6235
GI	none	Score	124
Exons	5987..6058, 5988..6059, 6161..6235, 6162..6233		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	5988	End	8057
GI	none	Score	75
Exons	5988..6038, 6161..6262, 6162..6278, 6324..6527, 6464..6559, 6561..6719, 6563..6688, 6891..6932, 7026..7061, 7062..7130, 7388..7438, 7389..7427, 7530..7751, 7535..7669, 7815..8057, 7817..8026		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	6510	End	7408
GI	none	Score	53
Exons	6510..6545, 6557..6694, 6558..6716, 6783..6854, 6888..6950, 6890..6940, 7019..7084, 7020..7091, 7070..7135, 7071..7130, 7079..7138, 7124..7336, 7133..7408, 7209..7406		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	7530	End	7721
GI	none	Score	63
Exons	7530..7565, 7535..7561, 7569..7721, 7571..7660		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	7806	End	8063
GI	none	Score	404
Exons	7806..8063, 7808..8062, 7935..8063		

Seq. No.	39175	Seq. ID	OJ991013_07.0317.C13
Gene No.	80767	Strand	
Start	5976	End	8063
Name	OJ991013_07.0317.C13.o2.ts	Method	TBLASTX:Soybean
Start	7815	End	8051
GI	none	Score	255

Exons	7815..8051, 7817..8032		
Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.gs	Method	GENSCAN
Start	46	End	16086
GI	none	Score	.9
Exons	46..335, 1909..1987, 2007..2153, 2290..2358, 2828..3017, 3304..3428, 3926..4387, 4468..4811, 5172..5517, 5603..6052, 6871..7162, 7282..7626, 7722..7945, 8183..8674, 8775..9167, 9712..9852, 9956..10318, 10605..12794, 13409..13471, 13545..13646, 13783..14138, 14437..14524, 14628..14861, 15619..16086		
Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	1927	End	4669
GI	none	Score	280
Exons	1927..2160, 1927..2151, 1931..2206, 1935..2153, 2003..2158, 2282..2359, 2287..2382, 2288..2359, 2305..2364, 2825..2950, 2825..2953, 2827..2952, 3303..3431, 3307..3429, 3309..3437, 3920..4096, 3924..4049, 4043..4390, 4044..4388, 4055..4405, 4149..4391, 4465..4668, 4466..4669		
Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o5.ts	Method	TBLASTX:Soybean
Start	1981	End	2953
GI	none	Score	42
Exons	1981..2061, 2022..2063, 2053..2106, 2053..2112, 2097..2201, 2101..2160, 2282..2365, 2305..2364, 2814..2915, 2825..2953, 2828..2950		
Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.np	Method	AAT/NAP
Start	2007	End	16026
GI	7485402	Score	8331
Exons	2007..2153, 2290..2392, 2814..2951, 3304..3428, 3926..4387, 4468..4811, 5214..5517, 5603..6052, 6871..7162, 7282..7626, 7722..7945, 8183..8674, 8775..9167, 9712..9852, 9956..10318, 10605..12794, 13545..13646, 13930..14138, 14437..14524, 14628..14861, 15619..16026		
GI Descrip.	hypothetical protein F12C20.7 - Arabidopsis thaliana gi|3426038|gb|AAC32237.1| (AC005168) unknown protein [Arabidopsis thaliana]		
Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o4.tc	Method	TBLASTX:Cress
Start	3303	End	4168

GI	none	Score	173
Exons	3303..3431, 3304..3432, 3317..3436, 3327..3431, 3920..4036, 3936..4037, 4097..4168, 4101..4166		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o4.ts	Method	TBLASTX:Soybean
Start	3310	End	4166
GI	none	Score	158
Exons	3310..3429, 3312..3431, 3920..4060, 3924..4061, 4073..4165, 4074..4166		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.gp	Method	AAT/GAP
Start	3382	End	4325
GI	2428708	Score	865
Exons	3382..3428, 3926..4325		
GI Descrip.	3426038 2.0e-48 (AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.ts	Method	TBLASTX:Soybean
Start	4167	End	5392
GI	none	Score	75
Exons	4167..4388, 4169..4405, 4169..4390, 4170..4391, 4465..4782, 4466..4789, 4467..4811, 4762..4842, 4777..4821, 5165..5392, 5173..5391, 5195..5392		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o2.tc	Method	TBLASTX:Cress
Start	4543	End	8906
GI	none	Score	320
Exons	4543..4842, 4544..4828, 5165..5239, 5173..5241, 8793..8906		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o3.tc	Method	TBLASTX:Cress
Start	5242	End	5523
GI	none	Score	188
Exons	5242..5523, 5243..5518		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o3.tm	Method	TBLASTX:Maize
Start	5287	End	5645
GI	none	Score	263
Exons	5287..5523, 5288..5518, 5461..5526, 5604..5645, 5607..5645		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o3.ts	Method	TBLASTX:Soybean
Start	5882	End	7376
GI	none	Score	122
Exons	5882..6055, 5898..6053, 6865..7008, 6866..7000, 7006..7161, 7016..7162, 7279..7368, 7281..7376		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o4.tm	Method	TBLASTX:Maize
Start	7000	End	7315
GI	none	Score	208
Exons	7000..7161, 7001..7162, 7005..7163, 7280..7315		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o2.ts	Method	TBLASTX:Soybean
Start	11766	End	11994
GI	none	Score	196
Exons	11766..11990, 11766..11993, 11767..11994		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o2.tm	Method	TBLASTX:Maize
Start	12103	End	12536
GI	none	Score	175
Exons	12103..12237, 12103..12423, 12110..12256, 12304..12423, 12471..12536, 12484..12534, 12492..12536		

Seq. No.	39176	Seq. ID	OJ991013_07.0317.C14
Gene No.	80768	Strand	-
Start	46	End	16086
Name	OJ991013_07.0317.C14.o1.tc	Method	TBLASTX:Cress
Start	12327	End	12803
GI	none	Score	66
Exons	12327..12422, 12328..12423, 12480..12704, 12484..12672, 12489..12704, 12524..12715, 12717..12803, 12726..12797		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80769	Strand	+
Start	2609	End	7680
Name	OJ991013_07.0317.C15.o1.gs	Method	GENSCAN
Start	2609	End	7680
GI	none	Score	.46
Exons	2609..2809, 2855..3114, 3169..3400, 5424..5760, 5890..5961, 7607..7680		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80770	Strand	+
Start	11120	End	23618
Name	OJ991013_07.0317.C15.o3.gs	Method	GENSCAN
Start	11120	End	16957

GI	none	Score	.79
Exons	11120..11140, 13737..13892, 14229..14287, 14389..14589, 14779..14908, 14937..15041, 15074..15748, 15851..16957		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80770	Strand	+
Start	11120	End	23618
Name	OJ991013_07.0317.C15.o1.gp	Method	AAT/GAP
Start	11596	End	11897
GI	61605_3.R1084	Score	390
Exons	11596..11897		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80770	Strand	+
Start	11120	End	23618
Name	OJ991013_07.0317.C15.o3.np	Method	AAT/NAP
Start	14324	End	23582
GI	5922631	Score	6625
Exons	14324..14448, 14707..14951, 15210..15394, 15440..16011, 16054..16205, 16332..16933, 20124..20448, 21055..23582		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80770	Strand	+
Start	11120	End	23618
Name	OJ991013_07.0317.C15.o2.gp	Method	AAT/GAP
Start	16895	End	17196
GI	61605_3.R1084	Score	438
Exons	16895..17196		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80770	Strand	+
Start	11120	End	23618
Name	OJ991013_07.0317.C15.o5.gs	Method	GENSCAN
Start	20520	End	23618
GI	none	Score	.65
Exons	20520..23618		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80771	Strand	-
Start	4237	End	6042
Name	OJ991013_07.0317.C15.o2.np	Method	AAT/NAP
Start	4237	End	6042
GI	6907086	Score	1544
Exons	4237..4556, 4672..4794, 5039..5209, 5267..6042		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80772	Strand	-
Start	8080	End	10037
Name	OJ991013_07.0317.C15.o2.gs	Method	GENSCAN
Start	8080	End	10037
GI	none	Score	.65
Exons	8080..8096, 8555..8638, 9628..9810, 9830..10037		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80773	Strand	-
Start	17719	End	18151
Name	OJ991013_07.0317.C15.o3.gp	Method	AAT/GAP
Start	17719	End	18151
GI	2428185	Score	718
Exons	17719..18151		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80774	Strand	-
Start	18853	End	19358
Name	OJ991013_07.0317.C15.o4.gs	Method	GENSCAN
Start	18853	End	19358
GI	none	Score	.44
Exons	18853..19125, 19305..19358		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o6.tw	Method	TBLASTX:Wheat
Start	15616	End	16018
GI	none	Score	279
Exons	15616..15885, 15617..16018		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o7.tw	Method	TBLASTX:Wheat
Start	16649	End	20198
GI	none	Score	270
Exons	16649..16933, 16649..16924, 16696..16929, 20121..20198		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	20466	End	20921
GI	none	Score	474
Exons	20466..20921, 20486..20920		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o3.ts	Method	TBLASTX:Soybean
Start	20505	End	20870
GI	none	Score	134
Exons	20505..20729, 20736..20870		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o3.tm	Method	TBLASTX:Maize
Start	20595	End	20951
GI	none	Score	359
Exons	20595..20951, 20636..20941		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o3.tw	Method	TBLASTX:Wheat
Start	21036	End	21460
GI	none	Score	432
Exons	21036..21455, 21039..21386, 21080..21460		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	21114	End	21515
GI	none	Score	310
Exons	21114..21515, 21126..21275, 21131..21481		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o2.tm	Method	TBLASTX:Maize
Start	21182	End	21626
GI	none	Score	276
Exons	21182..21436, 21183..21437, 21459..21602, 21600..21626		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o5.tw	Method	TBLASTX:Wheat
Start	21623	End	22031
GI	none	Score	242
Exons	21623..21850, 21624..21848, 21884..22030, 21885..22031		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o2.ts	Method	TBLASTX:Soybean
Start	21743	End	22129
GI	none	Score	212
Exons	21743..21844, 21747..22127, 21881..22129		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o8.tw	Method	TBLASTX:Wheat
Start	22032	End	22343
GI	none	Score	233
Exons	22032..22343, 22037..22171, 22065..22310		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	22484	End	22808
GI	none	Score	431
Exons	22484..22807, 22485..22808		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o4.tw	Method	TBLASTX:Wheat
Start	22491	End	22877
GI	none	Score	407
Exons	22491..22877, 22535..22801, 22686..22877		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o5.tm	Method	TBLASTX:Maize
Start	22949	End	23222
GI	none	Score	99
Exons	22949..23056, 22950..23048, 23039..23113, 23043..23126, 23136..23222		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o2.tw	Method	TBLASTX:Wheat
Start	22992	End	23606
GI	none	Score	366
Exons	22992..23450, 23012..23101, 23153..23281, 23481..23606		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o4.tm	Method	TBLASTX:Maize
Start	23304	End	23567
GI	none	Score	164
Exons	23304..23486, 23360..23485, 23465..23566, 23466..23567		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o6.gs	Method	GENSCAN
Start	23948	End	26423
GI	none	Score	.89
Exons	23948..24231, 24264..24398, 24648..24837, 24912..25111, 25178..25312, 25400..25536, 25613..25905, 25992..26423		

Seq. No.	39177	Seq. ID	OJ991013_07.0317.C15
Gene No.	80775	Strand	-
Start	23948	End	26860
Name	OJ991013_07.0317.C15.o4.np	Method	AAT/NAP
Start	23951	End	26860
GI	6691716	Score	1951
Exons	23951..24398, 24472..24585, 24735..24837, 24912..25099,		

	25178..25353, 25430..25536, 25613..25795, 26000..26860		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	39178	Seq. ID	OJ991013_07.0317.C16
Gene No.	80776	Strand	-
Start	383	End	624
Name	OJ991013_07.0317.C16.o1.gs	Method	GENSCAN
Start	383	End	624
GI	none	Score	.55
Exons	383..585, 591..624		
Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o2.gs	Method	GENSCAN
Start	3669	End	15005
GI	none	Score	.68
Exons	3669..3885, 4165..4266, 5133..5145, 5848..6037, 7026..7154, 7910..8050, 8148..8224, 8503..10082, 12660..12793, 12891..13294, 14507..15005		
Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o1.gp	Method	AAT/GAP
Start	8459	End	8786
GI	2427953	Score	561
Exons	8459..8786		
GI Descrip.	3880192/emb|CAA96689.1| 3.0e-11 (Z72516) Similarity to Yeast nonsense-mdiated mRNA decay protein (SW:NMD3_YEAST); cDNA EST EMBL:M88908 comes from this gene [Caenorhabditis elegans]		
Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o1.np	Method	AAT/NAP
Start	8564	End	10105
GI	4582430	Score	1348
Exons	8564..10105		
GI Descrip.	(AC007196) putative nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		
Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o2.gp	Method	AAT/GAP
Start	9301	End	9636
GI	2443019	Score	660
Exons	9301..9636		
GI Descrip.	4582430/gb|AAD24816.1|AC007196_2 1.0e-26 (AC007196) nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		
Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904

Name	OJ991013_07.0317.C17.o4.gp	Method	AAT/GAP
Start	12692	End	13306
GI	26513_1.R1084	Score	821
Exons	12692..12793, 12891..13306		
GI Descrip.	'586784/sp|P38087|YMC2_YEAST 2.0e-16 MITOCHONDRIAL CARRIER PROTEIN YMC2 PRECURSOR >gi_1078116_pir__S48269 mitochondrial carrier protein YMC2 precursor - yeast (Saccharomyces cerevisiae) >gi_476060_emb_CAA55607_ (X78993) YBR0833 [Saccharomyces cerevisiae] >gi_536390_emb_CAA85059_ (Z35973) ORF YBR104w [Saccharomyces cerevisiae]'		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o2.np	Method	AAT/NAP
Start	12903	End	17801
GI	1085002	Score	525
Exons	12903..13299, 17259..17801		
GI Descrip.	mitochondrial carrier protein DIF-1 homolog - Caenorhabditis elegans gi|472902|emb|CAA53721| (X76115) carrier protein (c1) [Caenorhabditis elegans] gi|829102|emb|CAA88283| (Z48240) DIF-1 [Caenorhabditis elegans]		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o5.gp	Method	AAT/GAP
Start	14689	End	15232
GI	3760280	Score	952
Exons	14689..15232		
GI Descrip.	586784/sp|P38087|YMC2_YEAST 2.0e-16 MITOCHONDRIAL CARRIER PROTEIN YMC2 PRECURSOR >gi_1078116_pir__S48269 mitochondrial carrier protein YMC2 precursor - yeast (Saccharomyces cerevisiae) >gi_476060_emb_CAA55607_ (X78993) YBR0833 [Saccharomyces cerevisiae] >gi_536390_emb_CAA85059_ (Z35973) ORF YBR104w [Saccharomyces cerevisiae]		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o3.gs	Method	GENSCAN
Start	16050	End	17743
GI	none	Score	.99
Exons	16050..16441, 17185..17743		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o6.gp	Method	AAT/GAP
Start	16299	End	17464
GI	2799944	Score	737
Exons	16299..16441, 17185..17464		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80777	Strand	+
Start	3669	End	17904
Name	OJ991013_07.0317.C17.o7.gp	Method	AAT/GAP

Start	17509	End	17904
GI	13026_1.R1084	Score	698
Exons	17509..17904		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80778	Strand	+
Start	18781	End	24171
Name	OJ991013_07.0317.C17.o4.gs	Method	GENSCAN
Start	18781	End	24171
GI	none	Score	.5
Exons	18781..18808, 19746..19875, 24048..24171		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80778	Strand	+
Start	18781	End	24171
Name	OJ991013_07.0317.C17.o3.np	Method	AAT/NAP
Start	19199	End	22246
GI	133435	Score	1382
Exons	19199..20034, 22217..22246		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80778	Strand	+
Start	18781	End	24171
Name	OJ991013_07.0317.C17.o5.np	Method	AAT/NAP
Start	20730	End	21008
GI	132804	Score	491
Exons	20730..21008		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71300|pir||R5RZ23 ribosomal protein L23 - rice chloroplast gi|12031|emb|CAA33938| (X15901) ribosomal protein L23 [Oryza sativa] gi|12071|emb|CAA33923| (X15901) ribosomal protein L23 [Oryza sativa] gi|226652|prf||1603356CC ribosomal protein L23 [Oryza sativa]		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80778	Strand	+
Start	18781	End	24171
Name	OJ991013_07.0317.C17.o6.np	Method	AAT/NAP
Start	21030	End	22134
GI	1213600	Score	717
Exons	21030..21420, 22084..22134		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi|1213602|emb|CAA33928| (X15901) ribosomal protein L2 [Oryza sativa] gi|226679|prf||1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80779	Strand	-
Start	9915	End	10340
Name	OJ991013_07.0317.C17.o3.gp	Method	AAT/GAP

Start	9915	End	10340
GI	none	Score	573
Exons	9915..10340		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o1.ts	Method	TBLASTX:Soybean
Start	8557	End	9667
GI	none	Score	1098
Exons	8557..8808, 8588..9667, 8872..9072, 9118..9267, 9304..9666		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o4.tc	Method	TBLASTX:Cress
Start	8584	End	8902
GI	none	Score	253
Exons	8584..8709, 8588..8812, 8858..8902		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o2.tc	Method	TBLASTX:Cress
Start	9233	End	9856
GI	none	Score	365
Exons	9233..9634, 9256..9480, 9640..9744, 9644..9745, 9803..9856		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o2.tm	Method	TBLASTX:Maize
Start	9247	End	9903
GI	none	Score	1024
Exons	9247..9843, 9248..9901, 9566..9853, 9571..9903, 9582..9902		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o4.tm	Method	TBLASTX:Maize
Start	12902	End	17737
GI	none	Score	563
Exons	12902..13294, 12903..13295, 13044..13196, 13203..13295, 14466..14834, 14564..14803, 14568..14684, 14762..14806, 14846..14968, 14847..14969, 14859..14999, 16047..16442, 16049..16444, 16191..16343, 17302..17325, 17303..17335, 17374..17571, 17375..17572, 17488..17547, 17584..17703, 17585..17707, 17596..17700, 17597..17737		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o5.ts	Method	TBLASTX:Soybean
Start	12902	End	17743
GI	none	Score	519
Exons	12902..13294, 12903..13295, 13031..13153, 13032..13154, 14567..14608, 14568..14684, 14568..14708, 14568..14609,		

14600..15010, 14601..15011, 14601..15011, 14846..14968,
14847..14969, 14908..15015, 16049..16444, 16050..16442,
16182..16301, 16184..16300, 17290..17325, 17291..17743,
17374..17739, 17584..17703, 17585..17707

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o8.tc	Method	TBLASTX:Cress
Start	12903	End	16153
GI	none	Score	185
Exons	12903..13028, 12908..13030, 16043..16153, 16047..16145		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o3.tc	Method	TBLASTX:Cress
Start	13031	End	17746
GI	none	Score	94
Exons	13031..13153, 13032..13154, 14568..14708, 14759..15001, 14781..15005, 16181..16300, 16182..16301, 17482..17745, 17519..17746		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o2.tw	Method	TBLASTX:Wheat
Start	14506	End	17728
GI	none	Score	407
Exons	14506..14772, 14550..14867, 14550..14834, 14564..14869, 14859..14990, 16190..16255, 17303..17335, 17374..17607, 17375..17605, 17597..17728		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o4.np	Method	AAT/NAP
Start	17091	End	20297
GI	7525076	Score	227
Exons	17091..17149, 19973..20297		
GI Descrip.	ycf2 gi|7525097|ref|NP_051121.1|| ycf2 gi|6686165|sp|P56786|YCF2_ARATH HYPOTHETICAL 269.6 KD PROTEIN YCF2 gi|5881737|dbj|BAA84428.1| (AP000423) ycf2 [Arabidopsis thaliana] gi|5881758|dbj|BAA84449.1| (AP000423) ycf2 [Arabidopsis thaliana],		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o7.tc	Method	TBLASTX:Cress
Start	19111	End	19328
GI	none	Score	60
Exons	19111..19167, 19121..19171, 19130..19189, 19196..19327, 19198..19326, 19200..19328		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-

Start	17091	End	20297
Name	OJ991013_07.0317.C17.o4.ts	Method	TBLASTX:Soybean
Start	19121	End	19644
GI	none	Score	614
Exons	19121..19180, 19187..19639, 19189..19644, 19190..19639, 19230..19643		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o5.tc	Method	TBLASTX:Cress
Start	19622	End	19907
GI	none	Score	257
Exons	19622..19903, 19629..19907, 19630..19848		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o6.ts	Method	TBLASTX:Soybean
Start	19729	End	20034
GI	none	Score	34
Exons	19729..19788, 19760..19789, 19790..19915, 19790..19864, 19893..20033, 19903..20034		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80780	Strand	-
Start	17091	End	20297
Name	OJ991013_07.0317.C17.o6.tc	Method	TBLASTX:Cress
Start	20029	End	20295
GI	none	Score	80
Exons	20029..20106, 20030..20116, 20031..20105, 20101..20250, 20103..20249, 20103..20264, 20251..20295, 20256..20291		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o3.tw	Method	TBLASTX:Wheat
Start	20449	End	20676
GI	none	Score	210
Exons	20449..20595, 20449..20610, 20617..20676, 20618..20674		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o1.tc	Method	TBLASTX:Cress
Start	20525	End	21744
GI	none	Score	83
Exons	20525..20611, 20527..20610, 20535..20615, 20616..20690, 20617..20712, 20618..20704, 20624..20722, 20709..21422, 20709..21419, 21215..21424, 21432..21548, 21436..21540, 21535..21666, 21547..21744, 21569..21742		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o1.tm	Method	TBLASTX:Maize
Start	20647	End	22135

GI	none	Score	892
Exons	20647..20979, 20649..21179, 20649..21170, 21172..21345, 21173..21238, 21174..21422, 21174..21419, 21215..21424, 22078..22134, 22079..22135, 22079..22135		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o1.tw	Method	TBLASTX:Wheat
Start	20677	End	21054
GI	none	Score	557
Exons	20677..20979, 20678..21052, 20679..21053, 20679..21053, 20704..21054		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o2.ts	Method	TBLASTX:Soybean
Start	20715	End	22135
GI	none	Score	1002
Exons	20715..21422, 20715..21419, 21215..21424, 22078..22134, 22079..22135		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o3.ts	Method	TBLASTX:Soybean
Start	21424	End	22077
GI	none	Score	318
Exons	21424..21666, 21426..21674, 21427..21675, 21569..21688, 21666..21743, 21667..21744, 21698..21922, 21749..21928, 21750..21923, 21893..22069, 21927..21971, 21928..21969, 21929..21970, 21931..22077, 21964..22062, 22022..22063		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o3.tm	Method	TBLASTX:Maize
Start	21648	End	22077
GI	none	Score	222
Exons	21648..22019, 21652..22077, 21654..21794, 21655..22077		

Seq. No.	39179	Seq. ID	OJ991013_07.0317.C17
Gene No.	80781	Strand	
Start	20449	End	22135
Name	OJ991013_07.0317.C17.o4.tw	Method	TBLASTX:Wheat
Start	22030	End	22135
GI	none	Score	194
Exons	22030..22134, 22031..22135, 22031..22135		

Seq. No.	39180	Seq. ID	OJ991013_07.0317.C23
Gene No.	80782	Strand	+
Start	401	End	479
Name	OJ991013_07.0317.C23.o1.gs	Method	GENSCAN
Start	401	End	479
GI	none	Score	.59
Exons	401..479		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	1647
GI	6983859	Score	2119
Exons	1..489, 619..1390, 1551..1647		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o2.ts	Method	TBLASTX:Soybean
Start	3	End	227
GI	none	Score	190
Exons	3..227		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o2.tw	Method	TBLASTX:Wheat
Start	6	End	401
GI	none	Score	557
Exons	6..401, 8..364, 33..386, 37..399		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	48	End	401
GI	none	Score	464
Exons	48..401, 50..298		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.gs	Method	GENSCAN
Start	102	End	1400
GI	none	Score	.99
Exons	102..1400		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	444	End	968
GI	none	Score	571
Exons	444..968, 518..964		

Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o3.tm	Method	TBLASTX:Maize
Start	615	End	932
GI	none	Score	273

Exons	615..932, 654..917, 728..931		
Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.tc	Method	TBLASTX:Cress
Start	675	End	992
GI	none	Score	102
Exons	675..848, 696..794, 849..992, 851..976		
Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	761	End	1016
GI	none	Score	298
Exons	761..1015, 768..1016		
Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o2.tm	Method	TBLASTX:Maize
Start	933	End	1253
GI	none	Score	460
Exons	933..1250, 935..1246, 948..1253		
Seq. No.	39181	Seq. ID	OJ990713_01.0317.C1
Gene No.	80783	Strand	+
Start	1	End	1647
Name	OJ990713_01.0317.C1.o3.tw	Method	TBLASTX:Wheat
Start	974	End	1362
GI	none	Score	457
Exons	974..1357, 975..1361, 1219..1362		
Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80784	Strand	+
Start	3061	End	3555
Name	OJ990713_01.0317.C2.o1.gp	Method	AAT/GAP
Start	3061	End	3555
GI	38782_1.R1084	Score	800
Exons	3061..3555		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80785	Strand	+
Start	3675	End	6494
Name	OJ990713_01.0317.C2.o2.gs	Method	GENSCAN
Start	3675	End	6367
GI	none	Score	.43
Exons	3675..3748, 3930..4064, 4083..4252, 4335..4660, 4951..6367		
Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80785	Strand	+
Start	3675	End	6494
Name	OJ990713_01.0317.C2.o3.np	Method	AAT/NAP
Start	3851	End	4632

GI	6002794	Score	1234
Exons	3851..4632		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80785	Strand	+
Start	3675	End	6494
Name	OJ990713_01.0317.C2.o4.np	Method	AAT/NAP
Start	4927	End	6494
GI	4539660	Score	550
Exons	4927..5124, 5351..6223, 6311..6494		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80786	Strand	-
Start	1	End	1647
Name	OJ990713_01.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	1647
GI	6983857	Score	1280
Exons	1..231, 263..722, 893..1454, 1518..1647		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80787	Strand	-
Start	2010	End	3321
Name	OJ990713_01.0317.C2.o2.np	Method	AAT/NAP
Start	2010	End	3321
GI	4680186	Score	176
Exons	2010..2035, 2358..2756, 3258..3321		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80788	Strand	
Start	5353	End	6000
Name	OJ990713_01.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	5353	End	5718
GI	none	Score	265
Exons	5353..5718		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80788	Strand	
Start	5353	End	6000
Name	OJ990713_01.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	5599	End	6000
GI	none	Score	239
Exons	5599..6000		

Seq. No.	39182	Seq. ID	OJ990713_01.0317.C2
Gene No.	80789	Strand	
Start	6124	End	6465
Name	OJ990713_01.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	6124	End	6465
GI	none	Score	63
Exons	6124..6192, 6292..6465, 6309..6458		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80790	Strand	+

Start	429	End	938
Name	OJ990713_01.0317.C3.o1.gp	Method	AAT/GAP
Start	429	End	938
GI	38782_1.R1084	Score	805
Exons	429..938		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80791	Strand	+
Start	847	End	3399
Name	OJ990713_01.0317.C3.o1.gs	Method	GENSCAN
Start	847	End	3399
GI	none	Score	.65
Exons	847..1030, 1036..1278, 1360..1503, 2444..2502, 3223..3399		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80792	Strand	+
Start	9142	End	19970
Name	OJ990713_01.0317.C3.o3.gs	Method	GENSCAN
Start	9142	End	11815
GI	none	Score	.73
Exons	9142..9156, 9579..9774, 10596..10761, 11192..11248, 11389..11815		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80792	Strand	+
Start	9142	End	19970
Name	OJ990713_01.0317.C3.o2.np	Method	AAT/NAP
Start	11393	End	16448
GI	1345502	Score	1056
Exons	11393..11776, 14927..16448		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80792	Strand	+
Start	9142	End	19970
Name	OJ990713_01.0317.C3.o2.gp	Method	AAT/GAP
Start	13848	End	14229
GI	uC-osflcyp033a04b1	Score	667
Exons	13848..14229		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80792	Strand	+
Start	9142	End	19970
Name	OJ990713_01.0317.C3.o5.gs	Method	GENSCAN
Start	14031	End	19970
GI	none	Score	.7
Exons	14031..14101, 15040..15776, 16171..16447, 16541..16861, 16935..17040, 17112..17783, 19893..19970		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80792	Strand	+
Start	9142	End	19970
Name	OJ990713_01.0317.C3.o3.np	Method	AAT/NAP
Start	16913	End	18951

GI	5732031	Score	312
Exons	16913..17049, 17133..17656, 18915..18951		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80793	Strand	-
Start	1	End	3668
Name	OJ990713_01.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	3668
GI	4680186	Score	94
Exons	1..96, 625..684, 1472..1601, 3629..3668		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80794	Strand	-
Start	4655	End	8045
Name	OJ990713_01.0317.C3.o2.gs	Method	GENSCAN
Start	4655	End	8045
GI	none	Score	.82
Exons	4655..4708, 4845..5012, 5092..5199, 5756..5842, 6112..6174, 6244..6306, 6366..6734, 6814..6906, 6983..7075, 7542..7786, 7886..8045		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80795	Strand	-
Start	12461	End	12859
Name	OJ990713_01.0317.C3.o4.tm	Method	TBLASTX:Maize
Start	7197	End	7787
GI	none	Score	156
Exons	7197..7379, 7576..7767, 7584..7787, 7590..7787		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80795	Strand	-
Start	12461	End	12859
Name	OJ990713_01.0317.C3.o4.gs	Method	GENSCAN
Start	12461	End	12859
GI	none	Score	.96
Exons	12461..12859		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80796	Strand	
Start	14999	End	15703
Name	OJ990713_01.0317.C3.o3.tw	Method	TBLASTX:Wheat
Start	14999	End	15421
GI	none	Score	148
Exons	14999..15271, 15323..15421		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80796	Strand	
Start	14999	End	15703
Name	OJ990713_01.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	15152	End	15574
GI	none	Score	74
Exons	15152..15226, 15181..15264, 15331..15570, 15332..15574		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80796	Strand	

Start	14999	End	15703
Name	OJ990713_01.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	15212	End	15697
GI	none	Score	66
Exons	15212..15271, 15323..15394, 15434..15697, 15451..15696		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80796	Strand	
Start	14999	End	15703
Name	OJ990713_01.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	15325	End	15655
GI	none	Score	315
Exons	15325..15636, 15326..15655		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80796	Strand	
Start	14999	End	15703
Name	OJ990713_01.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	15431	End	15703
GI	none	Score	258
Exons	15431..15703, 15484..15636		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80797	Strand	
Start	15749	End	15955
Name	OJ990713_01.0317.C3.o5.tm	Method	TBLASTX:Maize
Start	15749	End	15955
GI	none	Score	211
Exons	15749..15955, 15770..15895, 15787..15954		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80798	Strand	
Start	16023	End	16580
Name	OJ990713_01.0317.C3.o3.tm	Method	TBLASTX:Maize
Start	16023	End	16580
GI	none	Score	295
Exons	16023..16382, 16032..16232, 16061..16354, 16399..16449, 16539..16580		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80798	Strand	
Start	16023	End	16580
Name	OJ990713_01.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	16047	End	16383
GI	none	Score	123
Exons	16047..16184, 16103..16189, 16194..16382, 16309..16383		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80798	Strand	
Start	16023	End	16580
Name	OJ990713_01.0317.C3.o2.tw	Method	TBLASTX:Wheat
Start	16083	End	16382
GI	none	Score	246
Exons	16083..16382		

Seq. No.	39183	Seq. ID	OJ990713_01.0317.C3
Gene No.	80799	Strand	

Start	17100	End	17396
Name	OJ990713_01.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	17100	End	17396
GI	none	Score	343
Exons	17100..17324, 17102..17395, 17112..17396		

Seq. No.	39184	Seq. ID	OJ990713_01.0317.C4
Gene No.	80800	Strand	+
Start	2310	End	2594
Name	OJ990713_01.0317.C4.o2.np	Method	AAT/NAP
Start	2310	End	2594
GI	2443320	Score	313
Exons	2310..2594		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39184	Seq. ID	OJ990713_01.0317.C4
Gene No.	80801	Strand	-
Start	215	End	1954
Name	OJ990713_01.0317.C4.o1.gs	Method	GENSCAN
Start	215	End	1954
GI	none	Score	.4
Exons	215..394, 400..489, 1837..1954		

Seq. No.	39184	Seq. ID	OJ990713_01.0317.C4
Gene No.	80801	Strand	-
Start	215	End	1954
Name	OJ990713_01.0317.C4.o1.np	Method	AAT/NAP
Start	306	End	820
GI	7523502	Score	154
Exons	306..412, 727..820		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	1297
GI	2443320	Score	1989
Exons	1..1297		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	149	End	617
GI	none	Score	73
Exons	149..394, 185..397, 186..398, 201..401, 396..617, 442..585, 452..598		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	459	End	842
GI	none	Score	101
Exons	459..593, 618..842, 641..745		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	618	End	1283
GI	none	Score	818
Exons	618..1283, 620..1264		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	756	End	1295
GI	none	Score	224
Exons	756..1091, 881..976, 1083..1160, 1146..1295		

Seq. No.	39185	Seq. ID	OJ990713_01.0317.C5
Gene No.	80802	Strand	+
Start	1	End	1297
Name	OJ990713_01.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	852	End	1283
GI	none	Score	188
Exons	852..1091, 854..1090, 1080..1160, 1146..1283		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80803	Strand	+
Start	52	End	11194
Name	OJ990713_01.0317.C6.o1.np	Method	AAT/NAP
Start	52	End	10605
GI	4680204	Score	1030
Exons	52..1479, 1554..2653, 2763..2936, 3033..3252, 3603..3698, 10564..10605		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80803	Strand	+
Start	52	End	11194
Name	OJ990713_01.0317.C6.o1.gp	Method	AAT/GAP
Start	322	End	509
GI	2310235	Score	246
Exons	322..509		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80803	Strand	+
Start	52	End	11194
Name	OJ990713_01.0317.C6.o1.gs	Method	GENSCAN
Start	353	End	11194
GI	none	Score	.74
Exons	353..393, 405..1479, 1554..1695, 1855..2653, 2763..2936, 3033..3143, 3228..3300, 3573..3754, 4143..4225, 6202..6329, 7438..7478, 8170..8280, 10834..11194		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80804	Strand	-

Start	4064	End	4211
Name	OJ990713_01.0317.C6.o2.gp	Method	AAT/GAP
Start	4064	End	4211
GI	21474_1.R1084	Score	231
Exons	4064..4211		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80805	Strand	-
Start	25651	End	35879
Name	OJ990713_01.0317.C6.o4.gs	Method	GENSCAN
Start	25651	End	35879
GI	none	Score	.67
Exons	25651..25719, 26801..26987, 26993..27104, 27152..27336, 27455..27621, 27868..27973, 29053..29219, 29369..29500, 30649..30670, 31603..31687, 32601..32739, 32791..32960, 33001..33288, 33853..33881, 33986..34149, 35550..35879		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80806	Strand	-
Start	37335	End	46103
Name	OJ990713_01.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	686	End	1089
GI	none	Score	62
Exons	686..826, 686..796, 688..924, 688..837, 789..956, 919..1089, 994..1089		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80806	Strand	-
Start	37335	End	46103
Name	OJ990713_01.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	2580	End	3102
GI	none	Score	60
Exons	2580..2660, 2749..2931, 2799..2924, 3031..3102		

Seq. No.	39186	Seq. ID	OJ990713_01.0317.C6
Gene No.	80806	Strand	-
Start	37335	End	46103
Name	OJ990713_01.0317.C6.o5.gs	Method	GENSCAN
Start	37335	End	46103
GI	none	Score	.53
Exons	37335..37478, 38433..38498, 40451..40541, 42563..42655, 42768..42921, 44299..44341, 44484..44575, 45960..46103		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520
Name	OJ990713_01.0317.C7.o1.np	Method	AAT/NAP
Start	535	End	1520
GI	2443320	Score	1506
Exons	535..1520		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39187	Seq. ID	OJ990713_01.0317.C7
Gene No.	80807	Strand	-
Start	666	End	1520

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